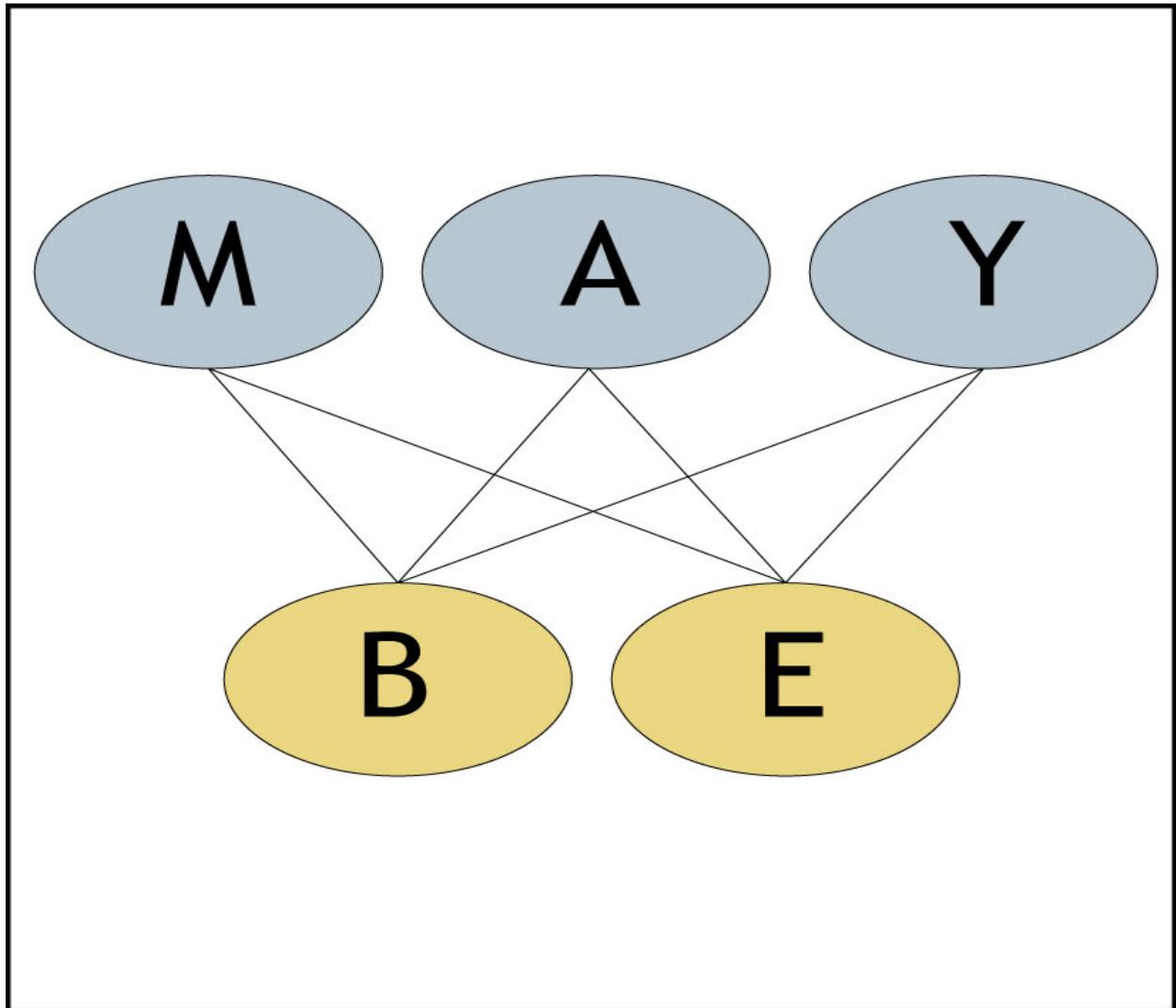


En sang for Bayes



Musik af Kristian Melchior Echwald

Baseret på idé af Morten Aagaard

Lavet til Vox11

Koncert: Skråen, 27. februar 2012

En sang for Bayes – nyttige oplysninger

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Steder på nettet:

Blog: www.bayesmusic.wordpress.com

Seneste indlæg om musikken: <http://bayesmusic.wordpress.com/2011/12/28/popmodernisme/>

Seneste om Bayesianske net: <http://bayesmusic.wordpress.com/2012/01/03/bayes-net-gule-lapper/>

Indføring i Bayes: <http://bayesmusic.wordpress.com/2011/11/29/raonnement-under-usikkerhed/>

Billetter: www.bayesmusic.wordpress.com/billetter

Webside: <http://song.bayesian.net/>

Facebook: <http://www.facebook.com/events/226488027429693/>

Hugin (leverandør af program til at lave bayesianske net med): <http://www.hugin.com>

Skråen: www.skraen.dk

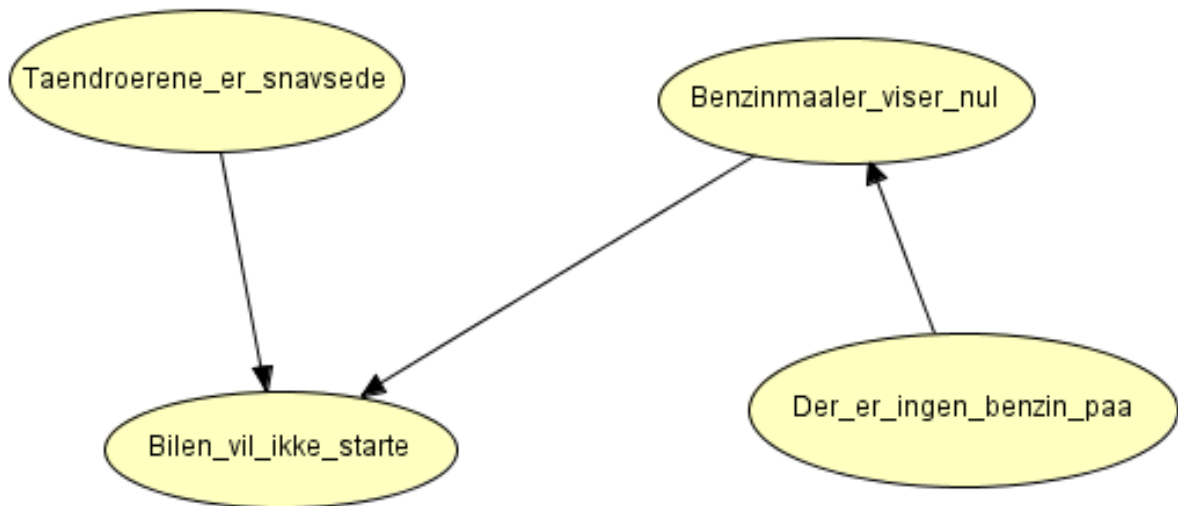
En Sang for Bayes – oversigt pr 11.1.12

Sangtitel	Netværk	Tid	Kommentar
1. del			
Bilen vil ikke starte	Bilen vil ikke starte	3 min	Pædagogisk fremstilling ud fra kendt bayesiansk net
The Markov Chain	Markov kæde	8 min	Fremstilling af Markov-kæde
Wisdom of crowds 1		3 min	Illustrerer wisdom of crowds
2. del			
Death is coming	Internt sangernetværk	4 min	Herrerne i koret ”dør” som følge af hvad kvinderne synger
The silent Programmer	Lærende netværk	3 min	Ode til Frank
Wisdom of crowds 2		3 min	Illustrerer wisdom of crowds. Korets egne melodistumper
Kairos		5 min	Sangerne improviserer på basis af bayesiansk net
Korets eget nummer		4 min	
3. del			
Wisdom of crowds 3		3 min	Illustrerer wisdom of crowds. Melodistumper fra foredragene.
Gregorian Bayes		4 min	Afhængigt af spørgeskema-svar
Kraka		3 min	
Slow	Komplekst net, der inkluderer spørgeskema-resultater	3 min	Ikke færdig
And now the Audience	15 eksterne faktorer styrer sangerne	4 min	
Måske			
Gloria		3 min	

Kristian Melchior Echwald

Bilen vil ikke starte

Tilegnet Finn Verner



Bilen vil ikke starte

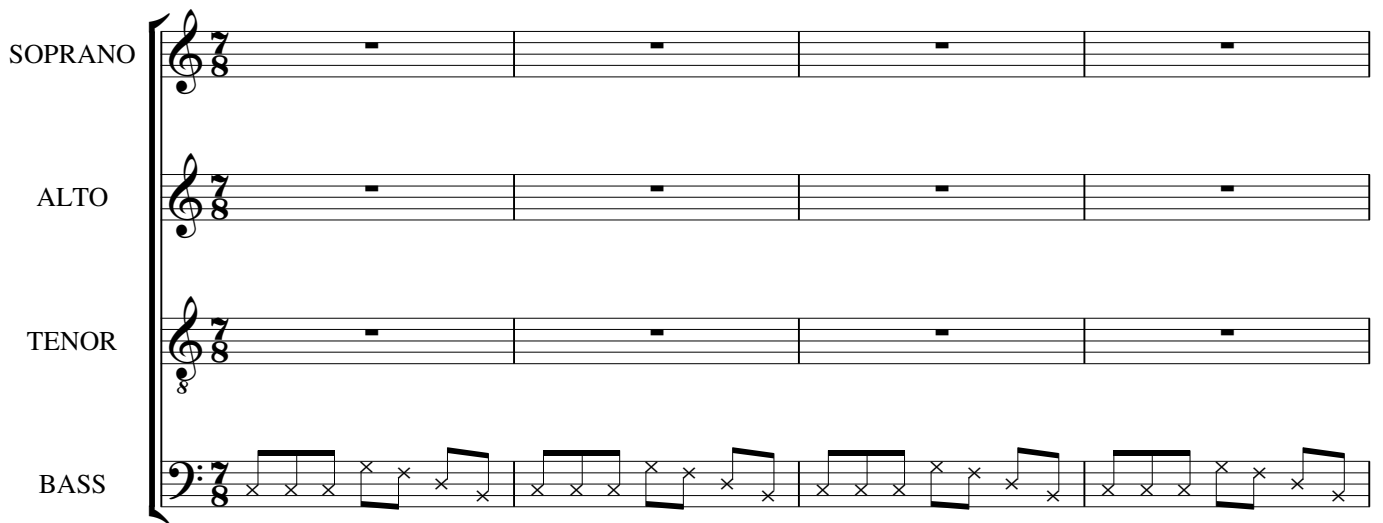
Kristian Melchior Echwald

SOPRANO

ALTO

TENOR

BASS



Bi-len vil ik-ke star-te Bi-len vil ik-ke star-te Bi-len vil ik-ke star-te Bi-len vil ik-ke star-te

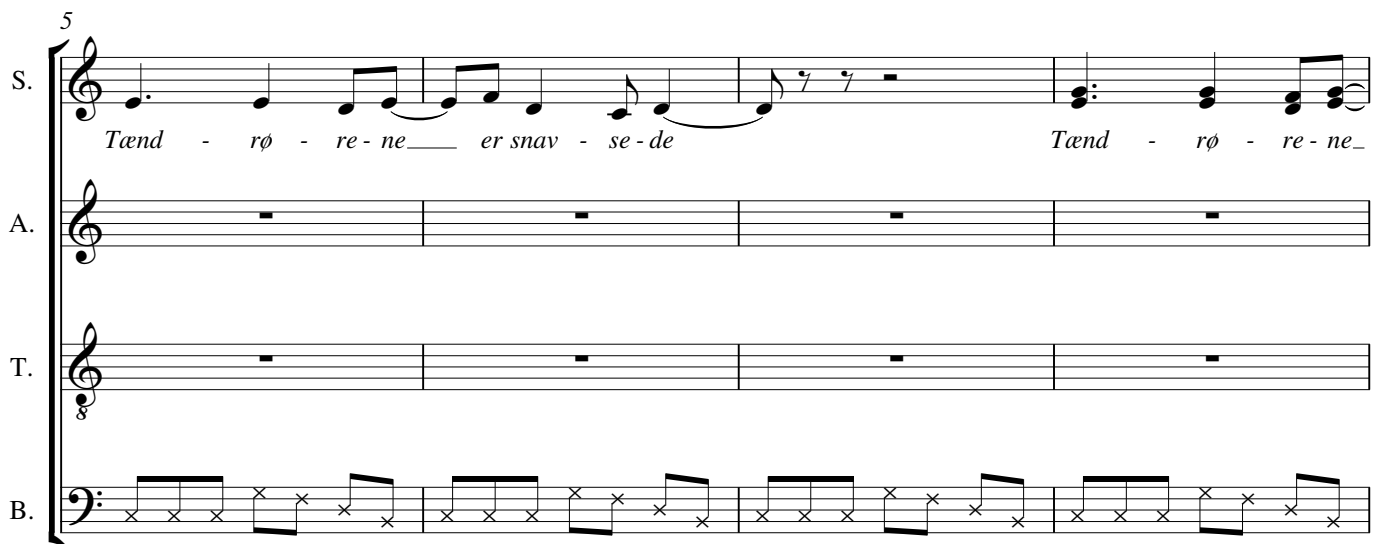
5

S.

A.

T.

B.



Tænd - rø - re - ne___ er snav - se - de Tænd - rø - re - ne_

Bi-len vil ik-ke star-te Bi-len vil ik-ke star-te Bi-len vil ik-ke star-te Bi-len vil ik-ke star-te

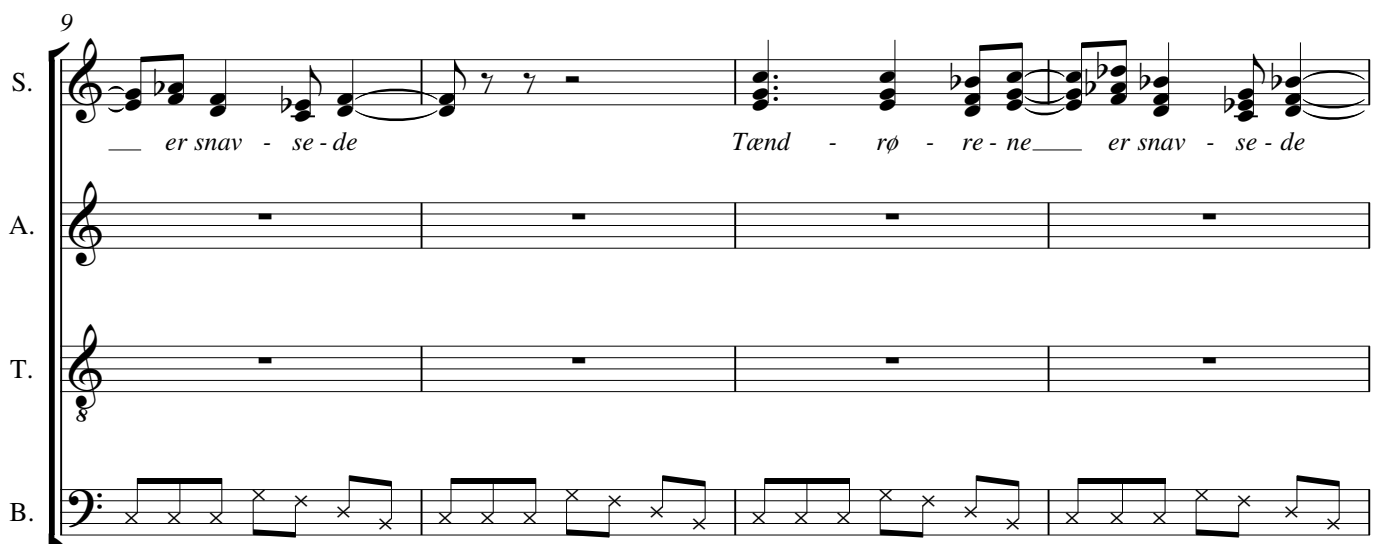
9

S.

A.

T.

B.



___ er snav - se - de Tænd - rø - re - ne___ er snav - se - de

Bi-len vil ik-ke star-te Bi-len vil ik-ke star-te Bi-len vil ik-ke star-te Bi-len vil ik-ke star-te

25

S. *Tænd - rø - re - ne — er snav - se - de*

A. *Ben*

T. *Der' ikk' mer' ben-zin på Der'*

B. *Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te*

29

S. *Tænd - rø - re - ne — er snav - se - de Tænd - rø - re - ne —*

A. *zin-må - le - ren vi - ser nul! — Ben - zin-må - le - ren vi - ser nul! — Ja nul!*

T. *ikk' mer' ben-zin på Der' ikk' mer' ben-zin*

B. *Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te*

33

S. *— er snav - se - de Tænd - rø - re - ne — er snav - se - de*

A. *Ben - zin-må - le - ren vi - ser nul! — Ben - zin-må - le - ren vi - ser nul!*

T. *på Der' ikk' mer' ben-zin på*

B. *Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te*

37

S. *Tænd - rø - re - ne — er snav - se - de*

A. *Jå nul! Jå nul! Jå nul! Jå nul!*

T. *Der' ikk' mer' ben-zin på Der'*

B. *Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te*

41

S. *Tænd - rø - re - ne — er snav - se - de*

A. *Jå nul! Jå nul! Jå nul! Jå nul!*

T. *ikk' mer' ben-zin på*

B. *Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te*

45

S. *Der' ikk' mer' ben-zin på*

A. *Jå nul! Jå nul! Jå nul!*

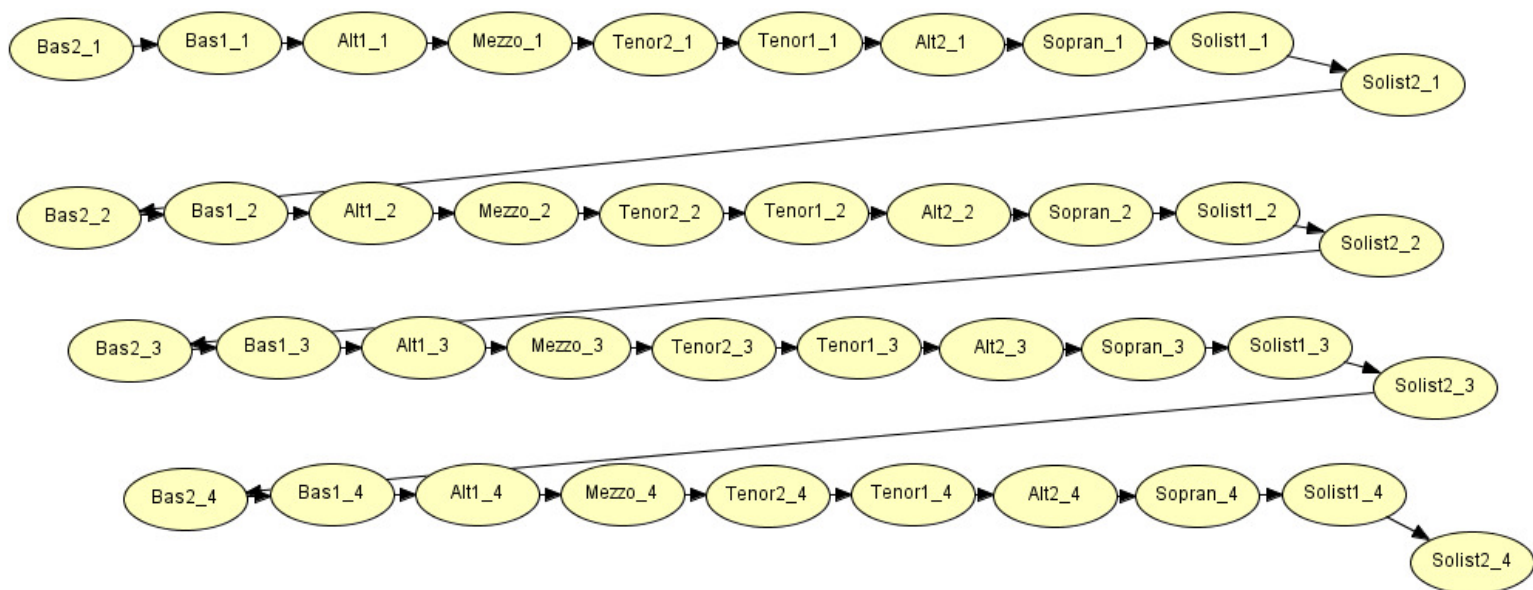
T. *Der' ikk' mer' ben-zin på*

B. *Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te Bi-len vil ik - ke star-te ØV!*

For Vox11

Kristian Melchior Echwald

The Markov Chain



Chorus: S-MS-A-A-T-T-B-B
Improvising solo Soprano
Improvising solo Tenor
Beat box ad lib.

Soprano

Mezzo-soprano

Alto

Alto

Tenor

Tenor

Bass

Bass

Sa-yang- gang gang gang gang ga sa yan gang gang-gang

5

S.

M-S.

A.

A.

T.

T.

B.

B.

Si-ka si-ka

be - de m' be-de m' m' be-de m' be-de m' m' be - de m' be-de m' m'

Sa-yang- gang gang gang gang ga sa yan- gang gang-gang Sa-yang- gang gang gang gang ga

8

S.

M-S.

A.

A.

T.

T.

B.

B.

11

S.

M-S.

A.

A.

T.

T.

B.

B.

14

S. 

M-S. 

Si-ka si-ka Si-ka si-ka Si-ka si-ka

A. 

be-de m' be-de m' m' be-de m' be-de m' m' be-de m' be-de m' m'

A. 

si-da-dn-da Si - da-dn-da da da bwe bwe si-da-dn-da

T. 

si-da-dn-da Si - da-dn-da da da bwe bwe si-da-dn-da

T. 

si-da-dn-da Si - da-dn-da da da bwe bwe si-da-dn-da

B. 

sa yan- gang gang-gang Sa-yang- gang gang gang gang ga sa yan- gang gang-gang

B. 

17

S. 

ba ba

M-S. 

Si-ka si-ka Si-ka si-ka Si-ka si-ka

A. 

be - de m' be-de m' m' be-de m' be-de m' m' be - de m' be-de m' m'

A. 

Si - da-dn-da da da bwe bwe si-da-dn-da Si - da-dn-da da da bwe bwe

T. 

Si - da-dn-da da da bwe bwe si-da-dn-da Si - da-dn-da da da bwe bwe

T. 

Si - da-dn-da da da bwe bwe si-da-dn-da Si - da-dn-da da da bwe bwe

B. 

Sa-yang- gang gang gang gang ga sa yan- gang gang-gang Sa-yang- gang gang gang gang ga

B. 

38

S. ba ba ba ba ba ba ba ba bao

M-S. Si-ka si-ka si-ka Si-ka si-ka si-ka Si-ka si-ka si-ka

A. be-de m' be-de m' m' be-de m' be-de m' m' be-de m' be-de m' m'

A. si-da-mi-da Si-da-mi-da da da bwe bwe si-da-mi-da

T. si-da-dn-da Si-da-dn-da da da bwe bwe si-da-dn-da

T. si-da-dn-da Si-da-dn-da da da bwe bwe si-da-dn-da

B. sa-yan - gang-gang-gang Sa-yan - gang gang gang gang ga sa-yan - gang-gang-gang

B.

41

S. ba ba ba ba ba ba ba

M-S. Si-ka si-ka si-ka Si-ka si-ka si-ka Si-ka si-ka si-ka

A. be - de m' be-de m' m' be-de m' be-de m' m' be - de m' be-de m' m'

A. Si - da-mi-da da da bwe bwe si-da-mi-da Si - da-mi-da da da bwe bwe

T. Si - da-dn-da da da bwe bwe si-da-dn-da Si - da-dn-da da da bwe bwe

T. Si - da-dn-da da da bwe bwe si-da-dn-da Si - da-dn-da da da bwe bwe

B. Sa-yan - gang gang gang gang ga sa-yan - gang - gang-gang Sa-yan - gang gang gang gang ga

B.

56

S. ba ba ba ba ba ba ba ba bao

M-S. Si-ka si-ka si-ka Si-ka si-ka si-ka Si-ka si-ka si-ka

A. be-de m' be-de m' m' be-de m' be-de m' m' be-de m' be-de m' m'

A. si-da-dn-da Si - da-dn-da da da bwe bwe si-da-dn-da

T. si-da-dn-da Si - da-dn-da da da bwe bwe si-da-dn-da

T. si-da-dn-da Si - da-dn-da da da bwe bwe si-da-dn-da

B. sa-yan - gang-gang-gang Sa-yang- gang gang gang gang ga sa-yan - gang-gang-gang

B.

59

S. ba ba ba ba ba ba ba ba bao

M-S. Si-ka si-ka si-ka Si-ka si-ka si-ka Si-ka si-ka si-ka

A. be - de m' be-de m' m' be-de m' be-de m' m' be - de m' be-de m' m'

A. Si - da-dn-da da da bwe bwe si-da-dn-da Si - da-dn-da da da bwe bwe

T. Si - da-dn-da da da bwe bwe si-da-dn-da Si - da-dn-da da da bwe bwe

T. Si - da-dn-da da da bwe bwe si-da-dn-da Si - da-dn-da da da bwe bwe

B. Sa-yang - gang gang gang gang ga sa-yan - gang-gang-gang Sa-yang- gang gang gang gang ga

B.

62

S. ba ba ba ba ba ba ba ba ba ba ba ba ba ba ba ba ba

M-S. Si-ka si-ka si-ka Si-ka si-ka si-ka Si-ka si-ka si-ka

A. be de m' be-de m' m' be - de m' be de m' m' be de m' be-de m' m'

A. si-da-dn-da Si - da-dn-da da da bwe bwe si-da-dn-da

T. si-da-dn-da Si - da-dn-da da da bwe bwe si-da-dn-da

T. si-da-dn-da Si - da-dn-da da da bwe bwe si-da-dn-da

B. sa-yan - gang-gang-gang Sa-yang - gang gang gang- gang ga sa-yan - gang-gang-gang

B.

65

S. ba ba ba ba ba ba ba

M-S. Si - ka si ka si-ka si-ka Si-ka si ka si-ka si-ka Si - ka si ka si-ka si-ka

A. be - de m' be-de m' m' be-de m' be-de m' m' be - de m' be-de m' m'

A. Si - da dn da da da bwe bwe si-da dn da Si - da dn da da da bwe bwe

T. Si - da dn da da da bwe bwe si-da dn da Si - da dn da da da bwe bwe

T. Si - da dn da da da bwe bwe si-da dn da Si - da dn da da da bwe bwe

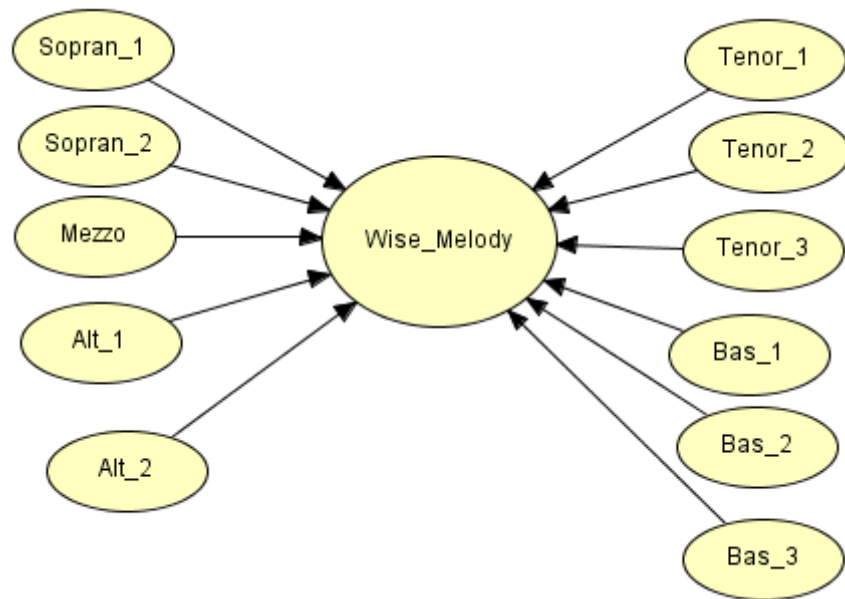
B. Sa-yang - gang gang gang- gang ga sa-yan - gang - gang-gang Sa-yang - gang gang gang- gang ga

B.

Kristian Melchior Echwald

Wisdom of Crowds I

For SSMAATTTBBB



Wisdom of Crowds

Kristian Melchior Echwald

Voices enter individually on cue

Soprano
Our old sub is lost in the sea

Soprano
The boat is ___ mis- sing the boat is gone ___ The boat is_

Mezzo-soprano
We can - not find this sub - ma rine_ We

Alto
Loo king for_ our_ sub - ma rine_

Alto
On the deep blue sea we're sear- ching a gain On the

Tenor
We are_ sear - ching, sear- ching a- gain

Tenor
Sub- ma rine where are_ you? Sub - ma rine where are_ you?

Tenor
In the town ___ where I was born In the

Bass
Deep un_ der the o - pen_ sea

Bass
Loo king Loo - king loo- king

Bass
I can't find you a - ny where

Voices change individually on cue

Rep. ad lib

3

S. Our old sub is lost in the sea Now we have found our sub-ma-rine in the sea

S. — mis sing the boat is gone — The boat is — Now we have found our sub-ma-rine in the sea

M-S. can - not find this sub - ma rine_ We Now we have found our sub-ma-rine in the sea

A. Loo king for_ our_ sub - ma rine_ Now we have found our sub-ma-rine in the sea

A. deep blue sea we're sear-ching a gain On the Now we have found our sub-ma-rine in the sea

T. We are_ sear - ching, sear-ching a-gain Now we have found our sub-ma-rine in the sea

T. Sub - ma rine where are_ you? Now we have found our sub-ma-rine in the sea

T. town_____where I was born In the Now we have found our sub-ma-rine in the sea

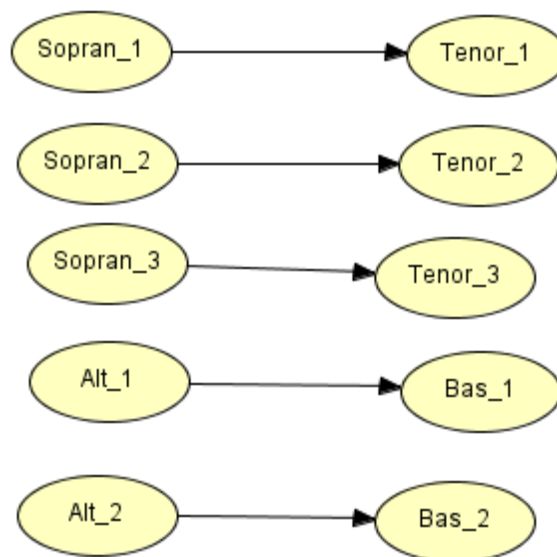
B. Deep un_der the o - pen_ sea Now we have found our sub-ma-rine in the sea

B. Loo king Loo-king loo-king Now we have found our sub-ma-rine in the sea

B. I can't find you a - ny where Now we have found our sub-ma-rine in the sea

Kristian Melchior Echwald

Death is coming



Rep. ad. lib.

Male 
 Death is co - ming a litt-le bit clo-ser to me Death is co - ming a litt-le bit

Rep. ad. lib.

Rep. ad. lib.


Male 
 clo-ser to me Death is co - ming a litt-le bit clo-ser to me

Rep. ad. lib.

Male 
 Death is co - ming a litt-le bit clo-ser to me Death is co - ming a litt-le bit

Rep. ad. lib.


Rep. ad. lib.

Male 
 clo-ser to me Death is co - ming a litt-le bit clo-ser to me


Rep. ad. lib.

Female voices

Rep. ad. lib.


Male 
 I am dri - ving to fast on the high-way to-day

Rep. ad. lib.

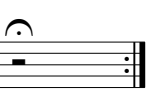
19 
 I _____ smoke a ci - ga - rette May-be I'll die_ 'cause I don't ex

Rep. ad. lib.

Rep. ad. lib.

23 
 - er-cise I am drunk no-ooow

Rep. ad. lib.

27 
 Ea-ting too much is what I u - sual-ly do

For blandet rytmisk a-capella kor med minimum 9 stemmer. Beat box kan tilføjes ad lib.

Kristian Melchior Echwald

The silent Programmer

Ode til Frank

Skrevet til Vox 11 til koncerten En sang for Bayes

♩ = 63

Soprano

Soprano/Alto

Mezzo/Alto

Tenor

Bass

Fa-mous are you_ rich and re nowned you'vebuilt your own em pire to rule

Uu

Uu

Uu

5

S.

A.

M-S.

T.

B.

cle-ver in deed And ve-ry po - pu - lar_ you think that you've made it and you're cool

8

S.

A.

M-S.

T.

B.

Where

But o - pe - ra - ting in - vi - sib - ly_ Hid-den be hind the screen

11

S. cool-ness gives way_ for ma ste - ry_ and true per fec-tion is seen

A.

M-S. is some-one

T. is some-one

B.

14

S. He's the si - lent pro - gram - mer_ The

A.

M-S. Tell me, who_ it_ is Du... Si lent pro - gram - mer

T. Tell me, who_ it_ is Du...

B. Tell me, who_ it_ is Du...

16

S. Lord of your ma chine you may think that it's_ your own_ work but

A.

M-S. Lord of your ma - chine_ Think that it's_ your own

T.

B.

18

S. he has made the core do not try to understand him just

A. work Try to understand

M-S.

T.

B.

20

S. know that he is Frank and celebrate the frank-ness in your-self

A. him he is Frank And celebrate the frank-ness in your-self

M-S.

T.

B.

22

S.

A.

M-S. Hea-ting you up Let ting you down The

T. Uu

B. Uu

25

S. [Musical staff]

A. [Musical staff]

M-S. world is a trea che rous space Who can you trust when your source - code fails? To

T. [Musical staff]

B. [Musical staff]

29

S. [Musical staff]

A. [Musical staff]

M-S. put eve - ry-thing back in place You need not_ search for him far and_ near He's

T. [Musical staff]

B. [Musical staff]

32

S. [Musical staff]

A. [Musical staff]

M-S. not in a crow-ded place Just en-ter the source-room and he'll be_ there Rea-dy to lend you a hand

T. [Musical staff]

B. [Musical staff]

Who

Who

Who

35

S. He's the si-lent pro - gram mer. The

A.

M-S. Si lent_ pro - gram-mer
is it Tell me, who_ it__ is Du...

T. is it Tell me, who_ it__ is Du...

B. is it Tell me, who_ it__ is Du...

38

S. Lord of your_ ma chine you may think that it's__ your own_ work but

A.

M-S. Lord of your_ ma - chine__ Think that it's__ your own

T.

B.

40

S. he has made the__ core_ do not try to un - der - stand him__ just

A.

M-S. work Try to un - der - stand

T.

B.

42

S. know that he is Frank and ce - le - brate the frank-ness in your - self

A. — him_ he_ is_ Frank And ce - le - brate the frank-ness in your - self

M-S.

T.

B.

44

S. He's the si - lent pro - gram - mer_ The

A. Si - lent_ pro - gram - mer

M-S. Du du

T. Du du

B.

46

S. Lord of your ma chine you may think that it's_ your own_ work but

A. Lord of your ma - chine_ Think that it's_ your own

M-S.

T.

B.

48

S. he has made the core do not try to un- der stand him just know that he is Frank and

A. work Try to un- der stand him he is Frank And

M-S. work Try to un- der stand him he is Frank And

T. 8

B. 8

51

S. ce - le - brate the frank-ness in your - self He's the

A. ce - le - brate the frank-ness in your self

M-S. ce - le - brate the frank-ness in your self

T. 8

B. 8

53

S. si - lent pro - gram mer The Lord of your ma chine you may

A. Si lent pro - gram - mer

M-S. Du... Si lent pro - gram - mer Lord of your ma - chine

T. Du...

B. Du...

55

S. think that it's your own work but he has made the core do not

A.

M-S. Think that it's your own work do not

T.

B.

57

S. try to un - der - stand him just know that he is Frank and

A. Try to un - der - stand him he is Frank And

M-S. try to un - der - stand him And

T.

B.

59

S. ce - le - brate the frank-ness in your - self and

A. ce - le - brate the frank-ness in your - self

M-S. ce - le - brate the frank-ness in your - self

T.

B.

61 *Meno mosso*

S. 
ce - le - brate the frank - ness in your - self

A. 

M-S. 

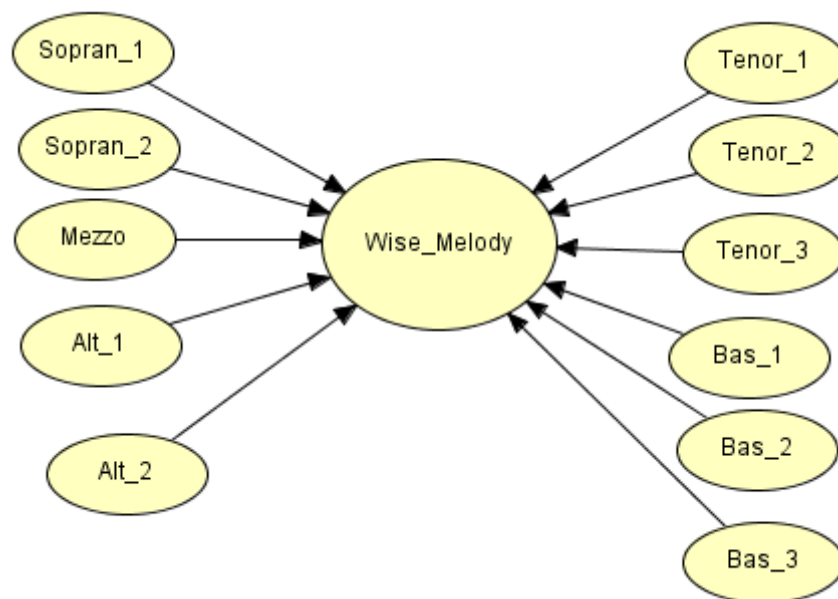
T. 

B. 

Kristian Melchior Echwald

Wisdom of Crowds I

For SSMAATTTBBB



Wisdom of Crowds

Kristian Melchior Echwald

Voices enter individually on cue

Soprano
Our old sub is lost in the sea

Soprano
The boat is ___ mis- sing the boat is gone ___ The boat is_

Mezzo-soprano
We can - not find this sub - ma rine_ We

Alto
Loo king for_ our_ sub - ma rine_

Alto
On the deep blue sea we're sear- ching a gain On the

Tenor
We are_ sear - ching, sear- ching a- gain

Tenor
Sub- ma rine where are_ you? Sub - ma rine where are_ you?

Tenor
In the town ___ where I was born In the

Bass
Deep un_ der the o - pen_ sea

Bass
Loo king Loo - king loo- king

Bass
I can't find you a - ny where

Voices change individually on cue

Rep. ad lib

3

S. Our old sub is lost in the sea Now we have found our sub-ma-rine in the sea

S. — mis sing the boat is gone — The boat is — Now we have found our sub-ma-rine in the sea

M-S. can - not find this sub - ma rine_ We Now we have found our sub-ma-rine in the sea

A. Loo king for_ our_ sub - ma rine_ Now we have found our sub-ma-rine in the sea

A. deep blue sea we're sear-ching a gain On the Now we have found our sub-ma-rine in the sea

T. We are_ sear - ching, sear-ching a-gain Now we have found our sub-ma-rine in the sea

T. Sub - ma rine where are_ you? Now we have found our sub-ma-rine in the sea

T. town_____where I was born In the Now we have found our sub-ma-rine in the sea

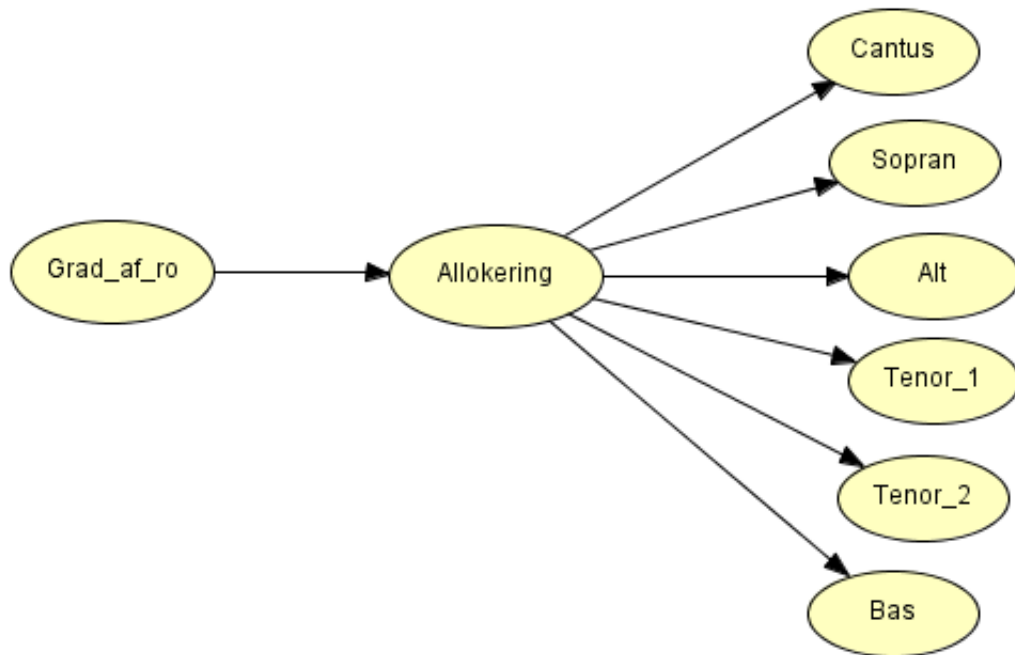
B. Deep un_der the o - pen_ sea Now we have found our sub-ma-rine in the sea

B. Loo king Loo-king loo-king Now we have found our sub-ma-rine in the sea

B. I can't find you a - ny where Now we have found our sub-ma-rine in the sea

Kristian Melchior Echwald

Gregorian Bayes



Ved koncerten undersøges graden af ro hos publikum, og ud fra resultatet allokeres sangere til hhv. cantus og de øvrige stemmer.

8

Cant.

A.

A.

T.

B.

B.

Ba-dab Ba Ba-dab Bālab Ba-dab Ba-dab Bālab Ba-dab

Ba-dab Ba Ba-dab Bālab Ba-dab Ba-dab Bālab Ba-dab

Ba-dab Ba Ba-dab Bālab Ba-dab Ba-dab Bālab Ba-dab

Ba-dab Ba Ba-dab Bālab Ba-dab Ba-dab Bālab Ba-dab

11

Cant.

A.

A.

T.

B.

B.

Vic - ti - mae pa - sca - li

Ba-dab Bālab Ba-dab Ba-dab Ba Bālab Bālab Ba-dab

Ba-dab Bālab Ba-dab Ba-dab Ba Ba-dab Bālab Ba-dab

Ba-dab Bālab Ba-dab Ba-dab Ba Ba-dab Bālab Ba-dab

Ba-dab Bālab Ba-dab Ba-dab Ba Ba-dab Bālab Ba-dab

14

Cant. Lau - des Im - mo - lent Chri - sti - a - ni

A. Ba-dab Ba-lab Ba-dab Ba-dab Ba-lab Ba-dab Ba-dab Ba

A. Ba-dab Ba-lab Ba-dab Ba-dab Ba-lab Ba-dab Ba-dab Ba

T. Ba-dab Ba-lab Ba-dab Ba-dab Ba-lab Ba-dab Ba-dab Ba

B. Ba-dab Ba-lab Ba-dab Ba-dab Ba-lab Ba-dab Ba-dab Ba

B.

17

Cant. Ag - nus re - de - mit O - ves

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

T. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B.

20

Cant. 
Chri - stus in - no cens Pa - tri

A. 
Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

A. 
Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

T. 
Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. 
Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. 

23

Cant. 

A. 
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

A. 
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

T. 
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

B. 
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

B. 

26

Cant. Re - con - ci - li - a - vit Pec - ca - to - res Mors et

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

T. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

29

Cant. vi - ta du - el - lo Con - fli - xe - re mi - ran -

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

T. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

32

Cant. do Dux vi - tae mor - tu - us reg - nat vi - vus

A. Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

A. Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

T. Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B.

35

Cant. Dic no - bis Ma - ri - a -

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

T. Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

B.

44

Cant. Et glo - ri - am vi - di re - sur - gen_____

A. Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

A. Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

T. Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

47

Cant. tis An - ge - li - cos te - tes_

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

T. Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

50

Cant. su - da - ri - um, et ve stes

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

T. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

53

Cant. Sur - re - xit Chri-stus spes me - a;

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

T. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

56

Cant. 

A. 

A. 

T. 

B. 

B. 

59

Cant. 

A. 

A. 

T. 

B. 

B. 

62

Cant. Sci - mus Chri - stum sur - rex - is - se a mor - tu - is

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

T. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

B.

65

Cant. ve - re: Tu no - bis, vic - tor Rex,

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

A. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

T. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B.

68

Cant. 
mi - se - re - re

A. 
Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

A. 
Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

T. 
Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. 
Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. 
Ba-dab Ba Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

71

Cant. 
A - men

A. 
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

A. 
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

T. 
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

B. 
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

B. 
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba-dab Ba-dab Ba-dab

74

Cant.  Hal-

A.  Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba

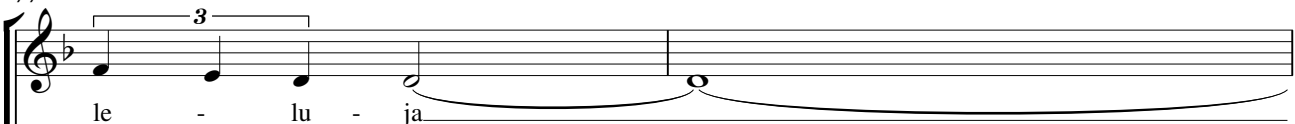
A.  Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba


T.  Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba


B.  Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba


B. 

77


Cant.  le - lu - ja

A.  Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

A.  Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

T.  Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B.  Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab Ba-dab

B. 

79

Cant.

A.
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba

A.
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba

T.
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba

B.
Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba

B.

Detailed description: This is a musical score for a choir or band, consisting of six staves. The top staff is for the Cantor (Cant.), followed by two Alto (A.) parts, Tenor (T.), and two Bass (B.) parts. The music is in 4/4 time with a key signature of one flat (Bb). The lyrics are 'Ba-dab Ba-dab Ba-dab Ba-dab Ba Ba' repeated across the vocal parts. The Cantor part features a melodic line with a long note in the first measure and a rest in the second. The vocal parts (A., T., B.) have a rhythmic pattern of eighth notes and rests. The bottom two Bass parts provide a bass line with various rhythmic patterns and accidentals.

Kristian Melchior Echwald

And now the Audience

For mixed choir SSMAATTTBBB



Performed with members of audience constituting bayesian network
Audience 1-11: Controls each of the 11 singers with 3 states:
1: Singing full score
2: Singing first 1½ beats of each bar
3: Mute
Audience 12-14: Controls following variables:
12: Controls volume
13: Controls tempo
14: Controls sound

And now the Audience

Kristian Melchior Echwald

The musical score is written for a vocal ensemble. It consists of ten staves. The first three staves are for Soprano, Mezzo-soprano, and Alto. The next three staves are for Alto, Tenor, and Tenor. The final four staves are for Bass, Bass, Tenor, and Bass. The music is in 4/4 time with a key signature of one flat (B-flat). The lyrics are: Jæ - dæ_ Jæ-dæ-um jæ - dæ_ Jæ-dæ-um jæ - dæ_ Jæ-dæ-um. The lyrics are distributed across the vocal parts as follows: The first Alto part has the lyrics: Jæ - dæ_ Jæ-dæ-um jæ - dæ_ Jæ-dæ-um jæ - dæ_ Jæ-dæ-um. The second Alto part has the lyrics: Jæ - dæ_ Jæ-dæ-um jæ - dæ_ Jæ-dæ-um jæ - dæ_ Jæ-dæ-um. The first Tenor part has the lyrics: Jæ - dæ_ Jæ-dæ-um jæ - dæ_ Jæ-dæ-um jæ - dæ_ Jæ-dæ-um. The other vocal parts (Soprano, Mezzo-soprano, the second Alto, the second Tenor, and all Bass parts) are currently silent, indicated by a horizontal line on each staff.

4

S.

S.

M-S.

A.

A.

T.

T.

T.

B.

B.

B.

S.

S.

M-S.

A.

jæ - dæ_ Jæ - dæ - um jæ - dæ Jæ - dæ_ Jæ - dæ - um

A.

jæ - dæ_ Jæ - dæ - um jæ - dæ Jæ - dæ_ Jæ - dæ - um

T.

jæ - dæ_ Jæ - dæ - um jæ - dæ Jæ - dæ_ Jæ - dæ - um

T.

Ba - dæ_ bajum-bum-ba - dæ

T.

Ba - dæ_ bajum-bum-ba - dæ

B.

Ba - dæ_ bajum-bum-ba - dæ

B.

B.

dæ - dæp Dæ - bn - dæp - dæp - dæp dæ - dæp Dæ - bn dæp dæp dæp dæ - dæp

10

S.

S.

M-S.

A.

jæ - dæ_ Jæ - dæ - um jæ - dæ_ Jæ - dæ - um jæ - dæ

A.

jæ - dæ_ Jæ - dæ - um jæ - dæ_ Jæ - dæ - um jæ - dæ

T.

jæ - dæ_ Jæ - dæ - um jæ - dæ_ Jæ - dæ - um jæ - dæ

T.

Ba - dæ_ bajum-bum-ba - dæ Ba - dæ_ ba jum - bum - ba - dæ Ba - dæ_ ba jum - bum - ba - dæ

T.

Ba - dæ_ bajum-bum-ba - dæ Ba - dæ_ ba jum - bum - ba - dæ Ba - dæ_ ba jum - bum - ba - dæ


B.

Ba - dæ_ bajum-bum-ba - dæ Ba - dæ_ ba jum - bum - ba - dæ Ba - dæ_ ba jum - bum - ba - dæ


B.

B.

dæ - dæp dæ - dæp Dæ - bn - dæp - dæp - dæp dæ - dæp Dæ - bn dæp dæp dæp

S. 


S. 

M-S. 

A. 

A. 

T. 

T. 

T. 

B. 

B. 

B. 

15

S. 

S. 

M-S. 

A. 

A. 

T. 

T. 

T. 

B. 

B. 

B. 

17

S. May - - - - - be May -

S. May - - - - - be May -

M-S. May - - - - - be May -

A. Jæ - dæ__ Jæ - dæ - um jæ - dæ__ Jæ - dæ - um

A. Jæ - dæ__ Jæ - dæ - um jæ - dæ__ Jæ - dæ - um

T. Jæ - dæ__ Jæ - dæ - um jæ - dæ__ Jæ - dæ - um

T. Ba - dæ__ ba jum - bum - ba - dæ Ba - dæ__ ba jum - bum - ba - dæ

T. Ba - dæ__ ba jum - bum - ba - dæ Ba - dæ__ ba jum - bum - ba - dæ

B. Ba - dæ__ ba jum - bum - ba - dæ Ba - dæ__ ba jum - bum - ba - dæ

B. Ding - ge - da - ge - ding - ge - da - ge ding Ding - ge - da - ge - ding - ge - da - ge ding

B. dæ - dæp dæ - dæp

19

S. be May be

S. be May be

M-S. be May be

A. jæ - dæ Jæ - dæ - um jæ - dæ

A. jæ - dæ Jæ - dæ - um jæ - dæ

T. jæ - dæ Jæ - dæ - um jæ - dæ

T. Ba - dæ ba jum - bum - ba - dæ Ba - dæ ba jum - bum - ba - dæ

T. Ba - dæ ba jum - bum - ba - dæ Ba - dæ ba jum - bum - ba - dæ

B. Ba - dæ ba jum - bum - ba - dæ Ba - dæ ba jum - bum - ba - dæ

B. Ding - ge - da - ge - ding - ge - da - ge - ding Ding - ge - da - ge - ding - ge - da - ge - ding

B. dæ - dæp Dæ - bn - dæp - dæp - dæp dæ - dæp Dæ - bn dæp dæp dæp

S. May - - - - - be May -

S. May - - - - - be May -

M-S. May - - - - - be May -

A. Jæ - dæ__ Jæ - dæ - um jæ - dæ__ Jæ - dæ - um

A. Jæ - dæ__ Jæ - dæ - um jæ - dæ__ Jæ - dæ - um

T. Jæ - dæ__ Jæ - dæ - um jæ - dæ__ Jæ - dæ - um

T. Ba - dæ__ ba jum - bum - ba - dæ Ba - dæ__ ba jum - bum - ba - dæ

T. Ba - dæ__ ba jum - bum - ba - dæ Ba - dæ__ ba jum - bum - ba - dæ

B. Ba - dæ__ ba jum - bum - ba - dæ Ba - dæ__ ba jum - bum - ba - dæ

B. Ding - ge - da - ge - ding - ge - da - ge ding Ding - ge - da - ge - ding - ge - da - ge ding

B. dæ - dæp dæ - dæp

23

S. be May be

S. be May be

M-S. be May be

A. jæ - dæ Jæ - dæ - um jæ - dæ

A. jæ - dæ Jæ - dæ - um jæ - dæ

T. jæ - dæ Jæ - dæ - um jæ - dæ

T. Ba - dæ ba jum - bum - ba - dæ Ba - dæ ba jum - bum - ba - dæ

T. Ba - dæ ba jum - bum - ba - dæ Ba - dæ ba jum - bum - ba - dæ

B. Ba - dæ ba jum - bum - ba - dæ Ba - dæ ba jum - bum - ba - dæ

B. Ding - ge - da - ge - ding - ge - da - ge ding Ding - ge - da - ge - ding - ge - da - ge ding

B. dæ - dæp Dæ - bn dæp - dæp dæp dæ - dæp Dæ - bn dæp dæp dæp

S. May - - - - - be May -

S. May - - - - - be May -

M-S. May - - - - - be May -

A. Jæ - dæ__ Jæ - dæ - um jæ - dæ__ Jæ - dæ - um

A. Jæ - dæ__ Jæ - dæ - um jæ - dæ__ Jæ - dæ - um

T. Jæ - dæ__ Jæ - dæ - um jæ - dæ__ Jæ - dæ - um

T. Ba - dæ__ ba jum - bum - ba - dæ Ba - dæ__ ba jum - bum - ba - dæ

T. Ba - dæ__ ba jum - bum - ba - dæ Ba - dæ__ ba jum - bum - ba - dæ

B. Ba - dæ__ ba jum - bum - ba - dæ Ba - dæ__ ba jum - bum - ba - dæ

B. Ding - ge - da - ge - ding - ge - da - ge ding Ding - ge - da - ge - ding - ge - da - ge ding

B. dæ - dæp dæ - dæp

27

S. be May be

S. be May be

M-S. be May be

A. jæ - dæ Jæ - dæ - um jæ - dæ

A. jæ - dæ Jæ - dæ - um jæ - dæ

T. jæ - dæ Jæ - dæ - um jæ - dæ

T. Ba - dæ ba jum - bum - ba - dæ Ba - dæ ba jum - bum - ba - dæ

T. Ba - dæ ba jum - bum - ba - dæ Ba - dæ ba jum - bum - ba - dæ

B. Ba - dæ ba jum - bum - ba - dæ Ba - dæ ba jum - bum - ba - dæ

B. Ding - ge - da - ge - ding - ge - da - ge ding Ding - ge - da - ge - ding - ge - da - ge ding

B. dæ - dæp Dæ - bn dæp - dæp dæp dæ - dæp Dæ - bn dæp dæp dæp