

9:34
20/01/22

**WOW COXETER GROUPS IS A FUN
COURSE, MAYBE THIS WILL BE A CHILL TERM**



11:55
20/01/22

**FOUR
MANIFOLDS**



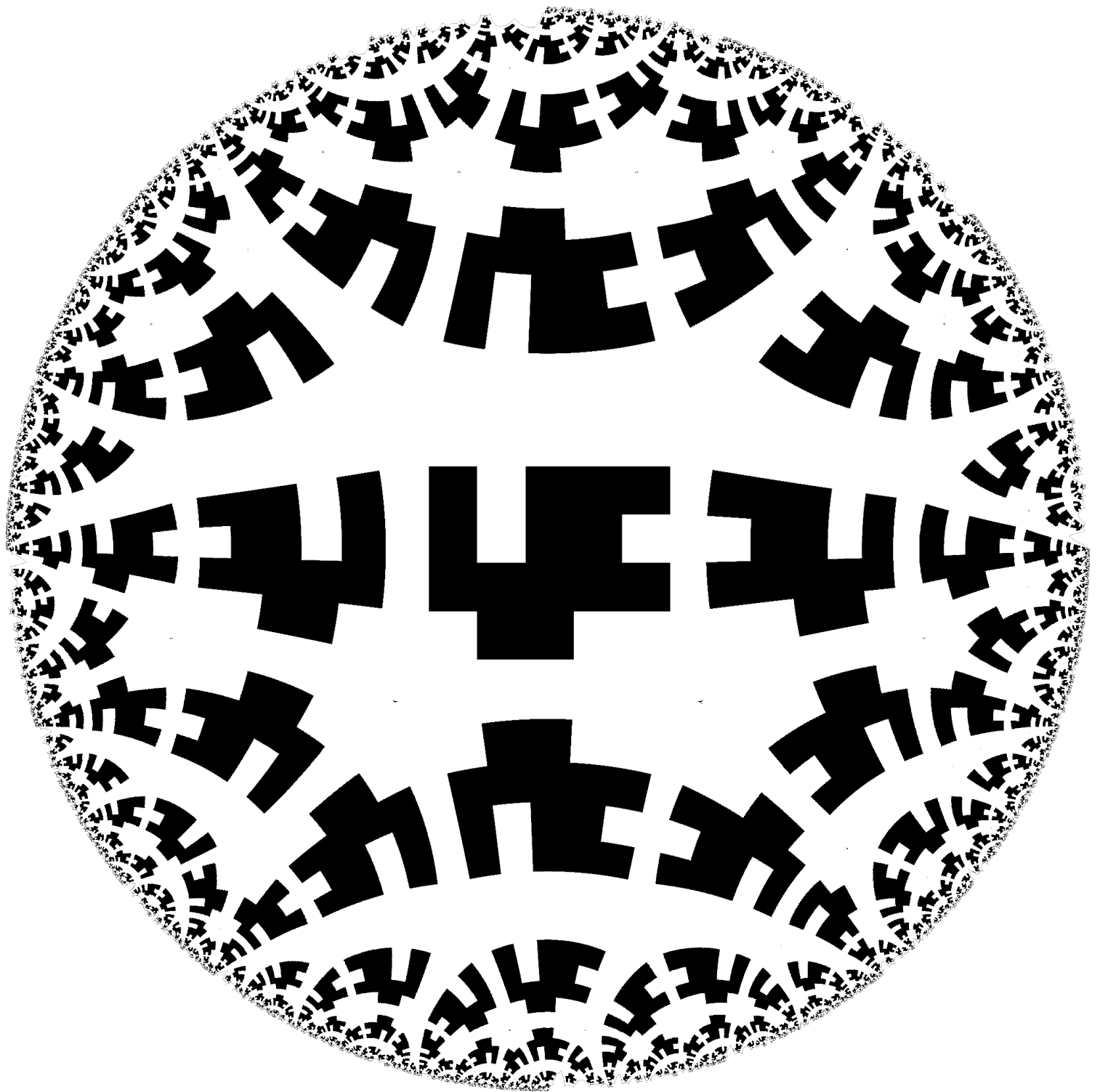
Explaining how the 17 different definitions of nerve fit together like

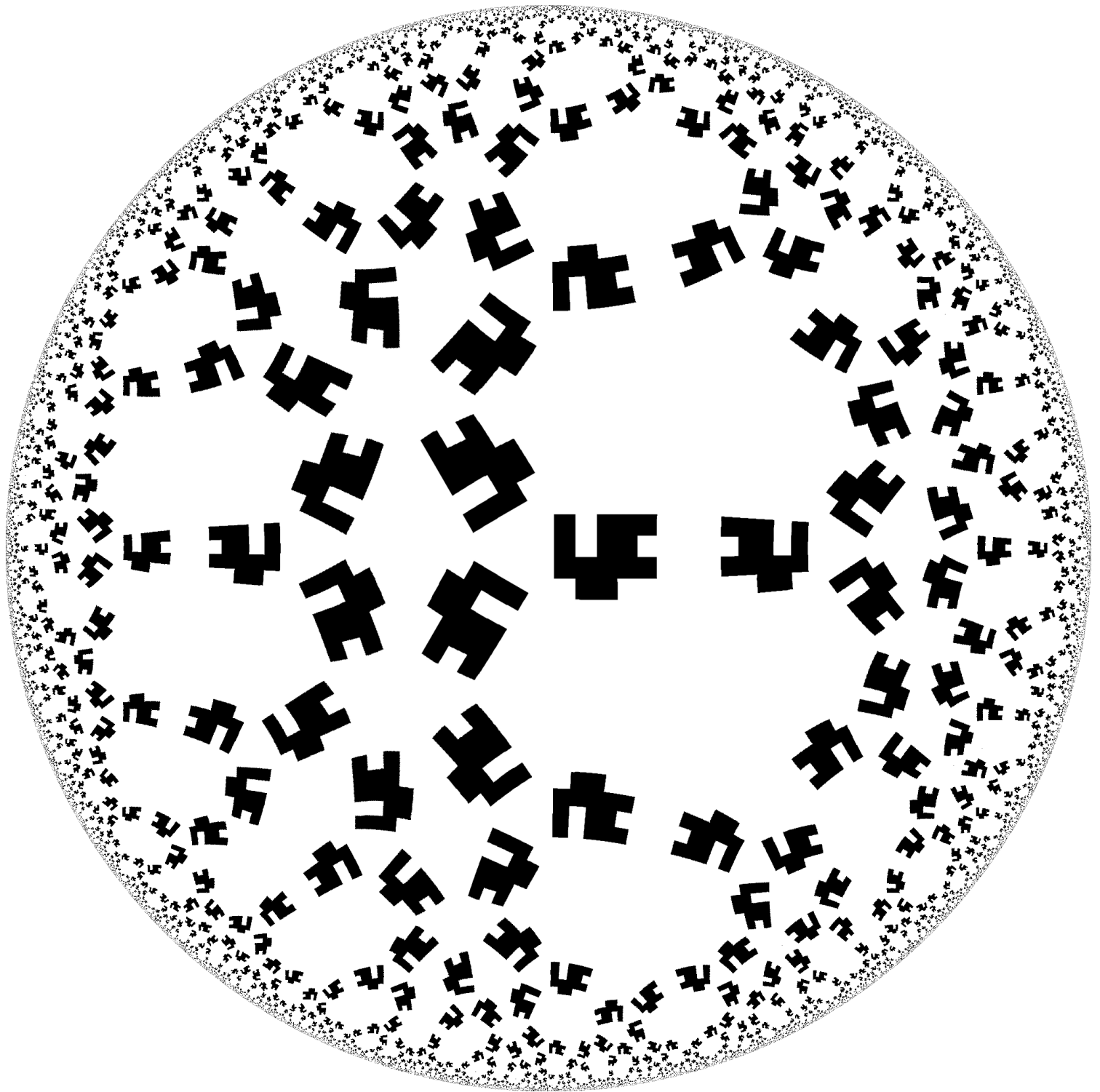


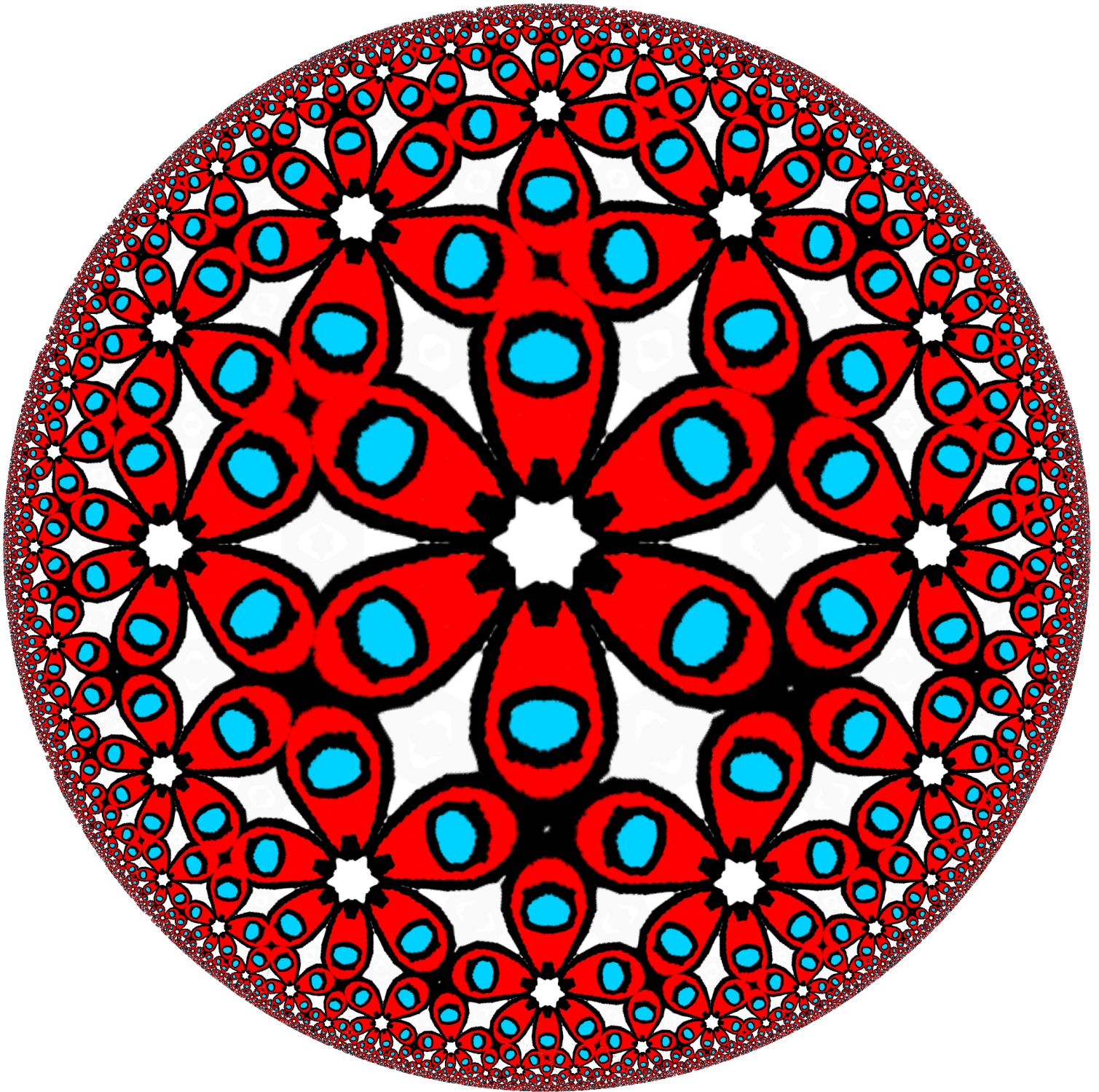
Always has been

Wait, it's the spherical
geometric reflection group
given by the triangle $(2,2,r)$?









Bernie

Illustrating
any
part of the
Coxeter
Groups course

I am once again
drawing a regular hexagon



when was coxeter born



All

Images

Shopping

News

Videos

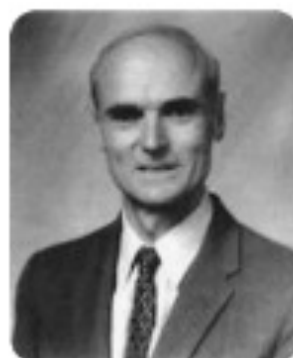
More

Tools

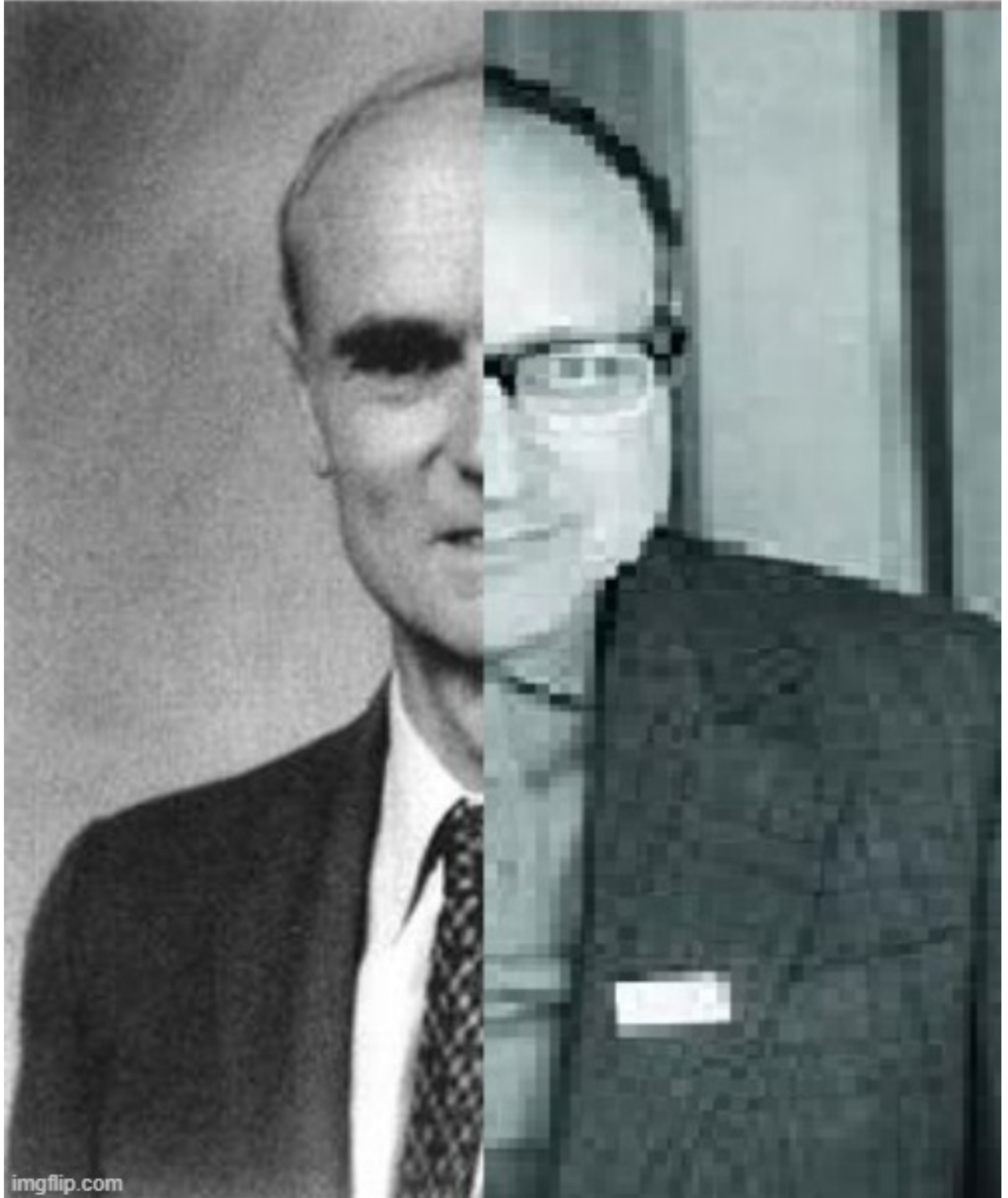
About 326,000 results (0.52 seconds)

Harold Scott MacDonald Coxeter / Date of birth

9 February 1907



THE DIHEDRAL GROUPS BEFORE 1907





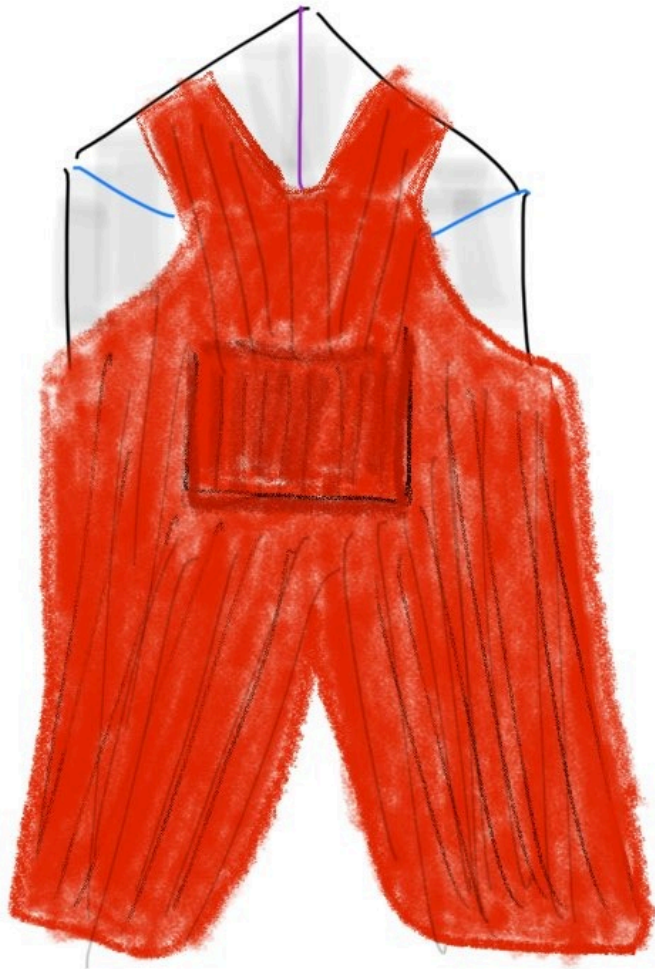
WORD PROBLEM FOR COXETER GROUPS

JACQUES TITS

**ISOMORPHISM PROBLEM
FOR COXETER GROUPS**

If a Davis complex wore dungarees would it wear them

like this



or

like this?

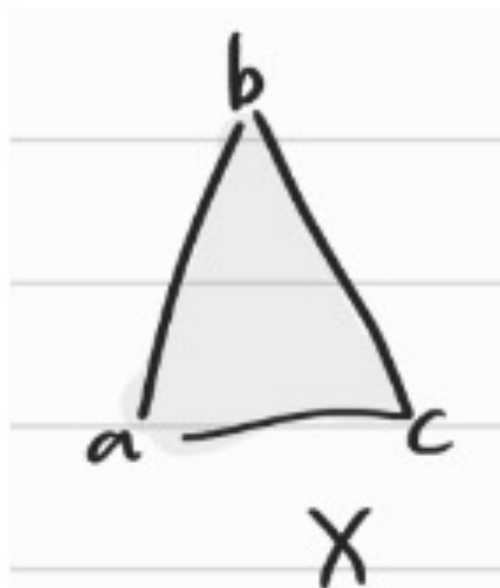




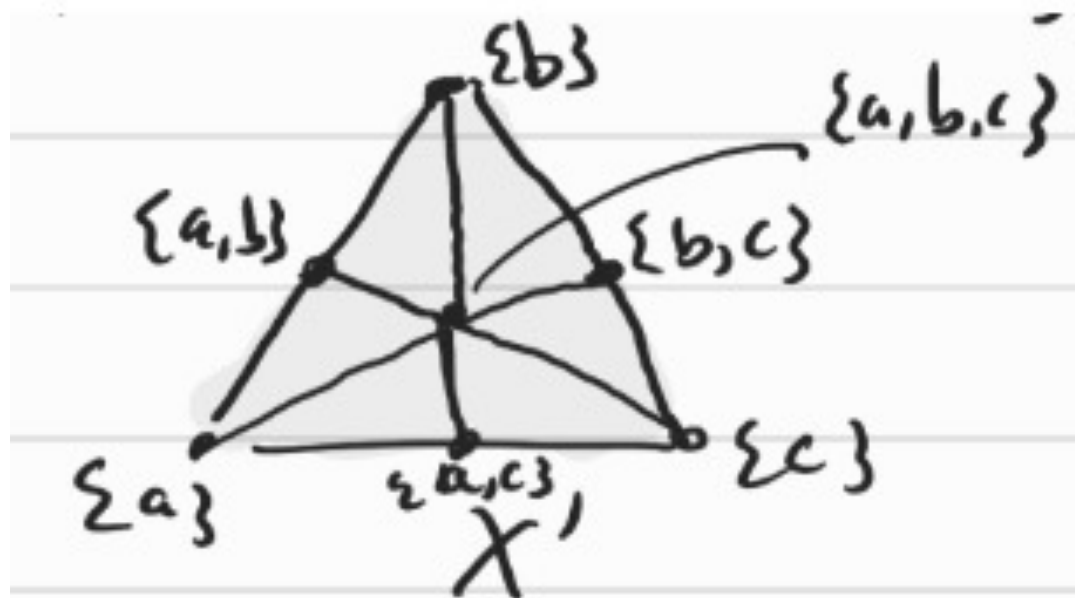
me explaining
why I was
googling Tits

my dad

my mum



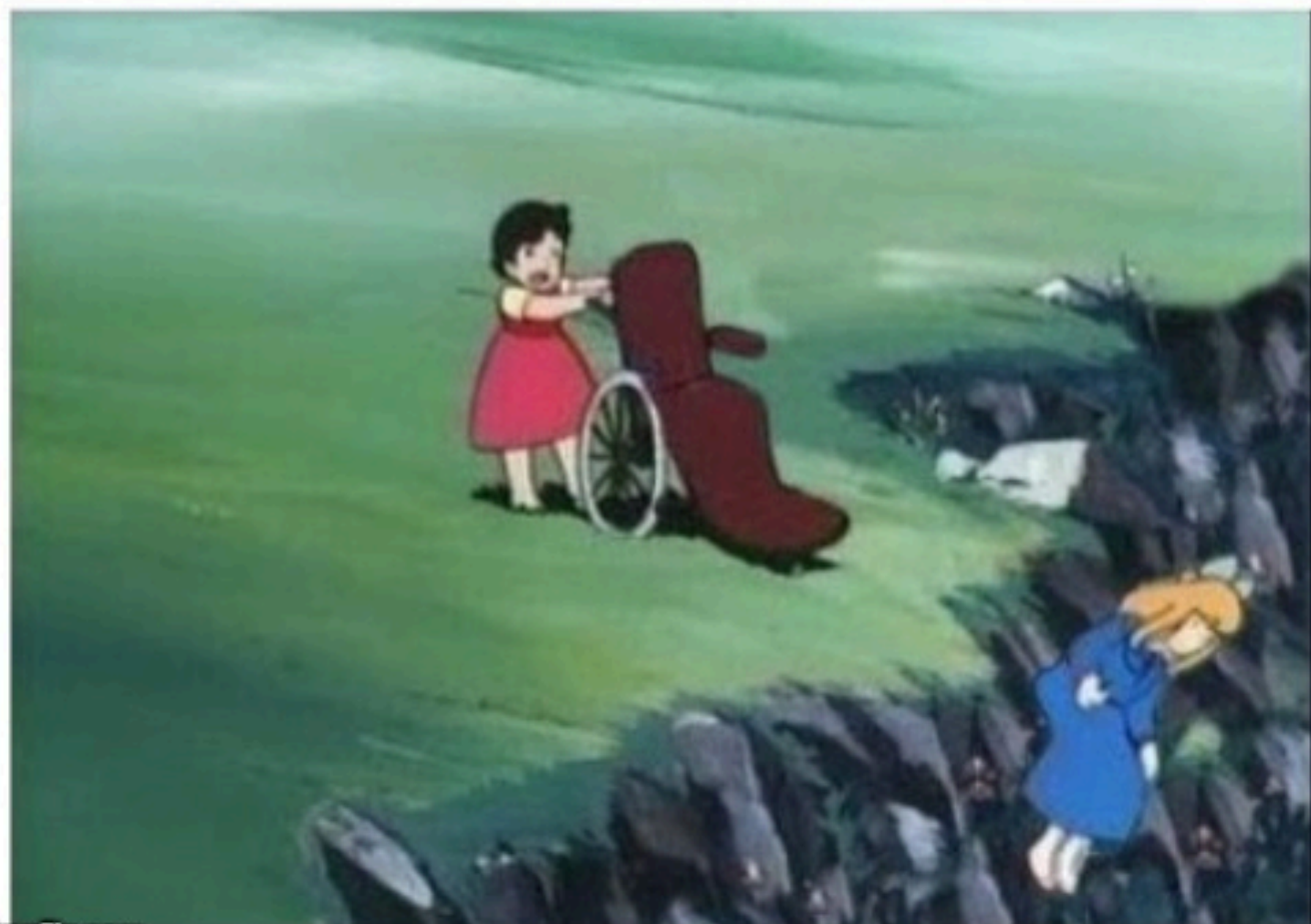
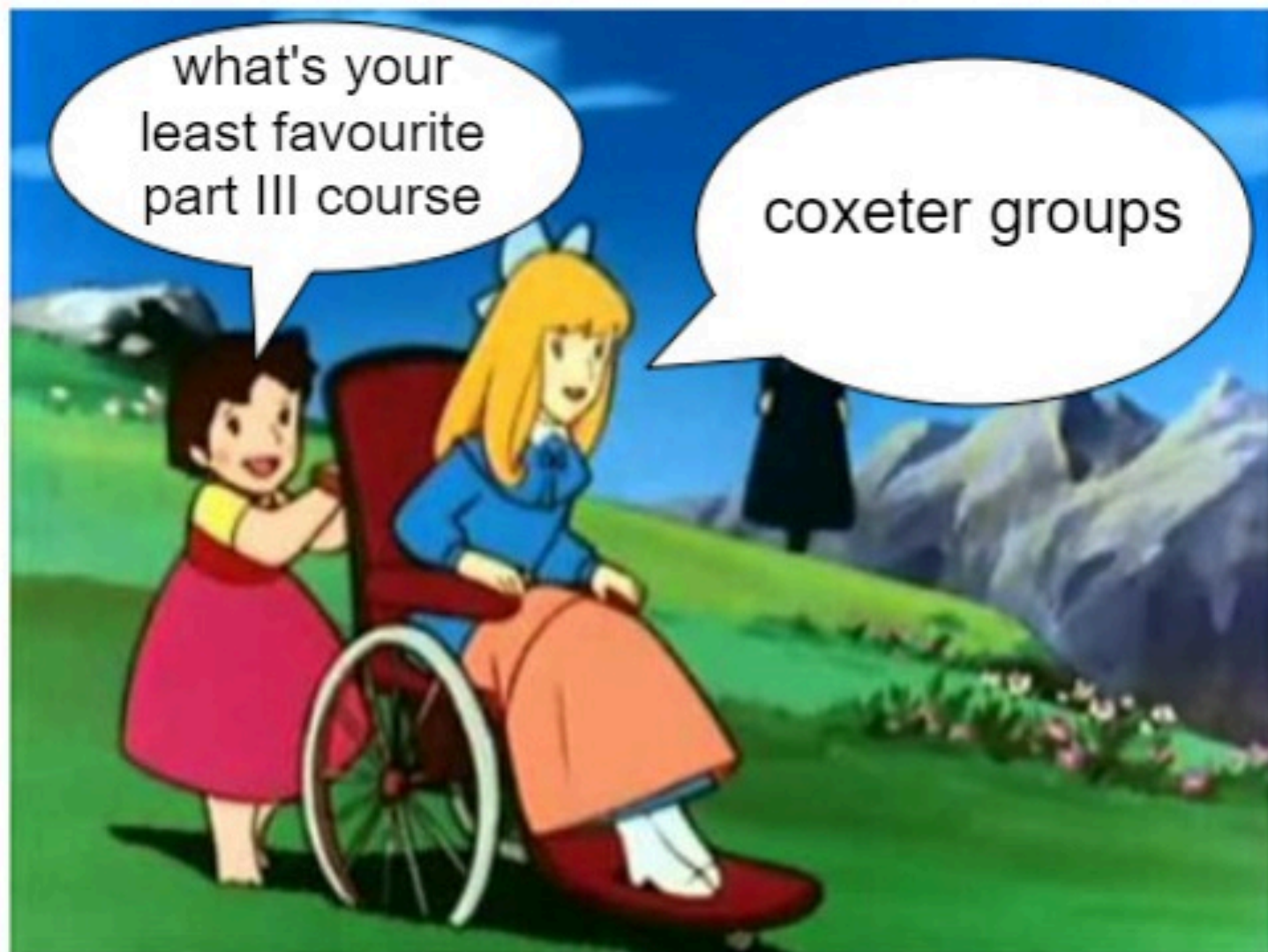
f(x)



f(x)

OH SO YOU'RE COXETER

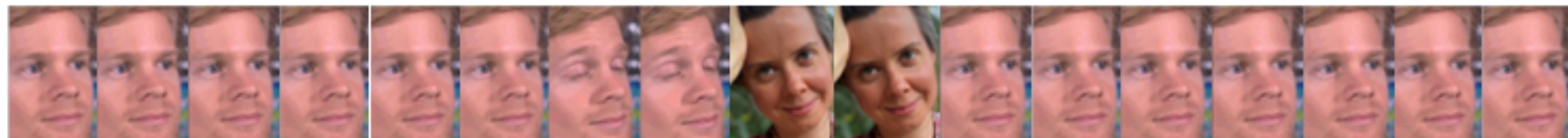
**CLASSIFY ALL
SPHERICAL AND EUCLIDEAN
GEOMETRIC REFLECTION GROUPS**



when you fill out the
end of course questionnaire



The first person to lecture Coxeter groups
must have been like:



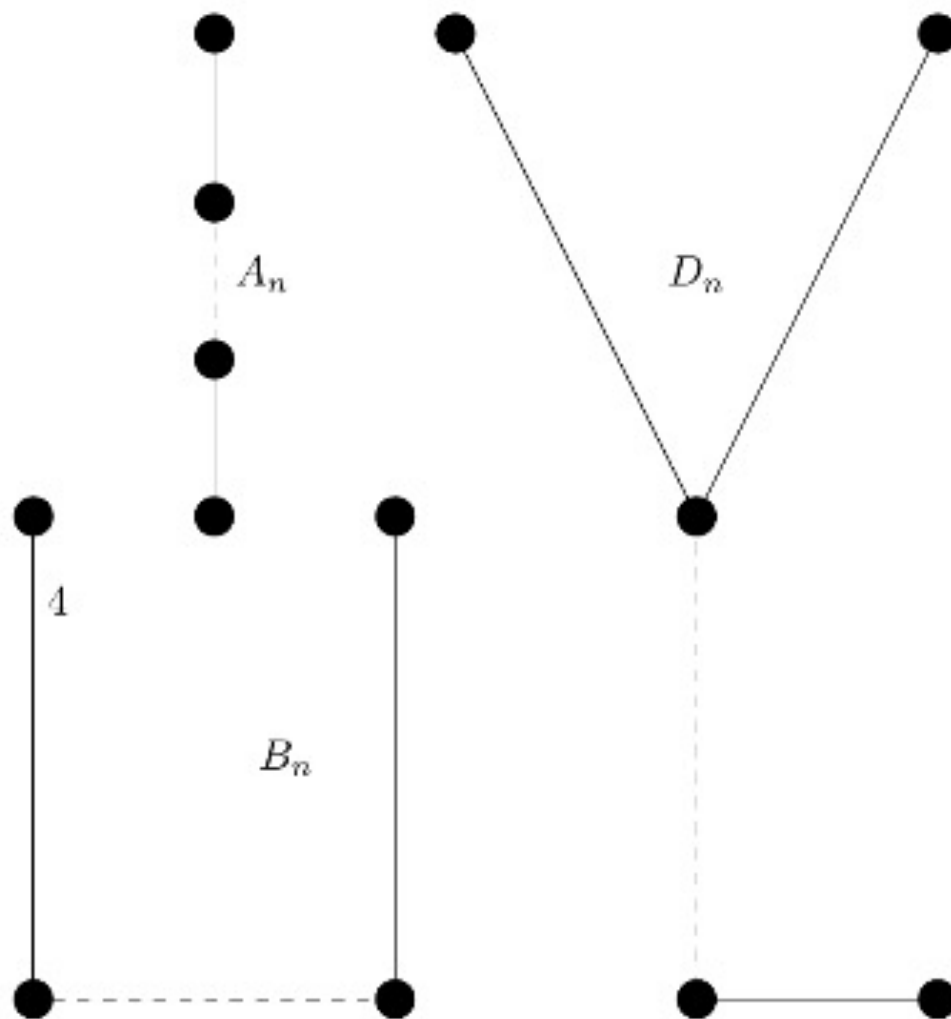
other exams



coxeter groups
exam



IS THIS



ARE THESE IRREDUCIBLE FINITE COXETER GROUPS?

imgflip.com **ARE THESE FINITE IRREDUCIBLE COXETER GROUPS**



Alright, let's see what

the basic
construction
of $\text{star}(S)$

really is

the
cayley
graph



Mathematicians making the worst meme you've ever seen about coxeter groups



Car salesman: *slaps roof of open neighbourhood of $[(w, x)]$ in $\mathcal{U}(W, X)$ when $W_{S(x)}$ is infinite*
this bad boy can fit parts of so many different chambers in it



Alicia Boole Stott visualising 4-dimensional polytopes in her mind



me struggling to draw a dodecahedron





S_n can naturally
be considered
a subgroup of S_{n+1}



The Coxeter group associated
to the Coxeter-Dynkin diagram
 A_n has a parabolic subgroup which
is isomorphic to the Coxeter group
associated to the Coxeter-Dynkin
diagram A_{n-1} given by the full
subgraph spanned by $n-1$ consecutive vertices



(4) Draw the Coxeter complex for the Coxeter group $W(I_2(4))$ and draw a section of it for the product of two infinite dihedral groups.

ME DRAWING IN 4D



MY GIRLFRIEND HAS SOME GREAT TITS.

WANNA SEE?

SURE, IF SHE IS OKAY WITH IT.

SHE IS! SHE LOVES SHOWING OFF HER GREAT TITS!

OH!

CUTE, RIGHT?

YEAH. VERY CUTE.



Suppose that a group generated by a set of n of distinct individuals, and that S is a subset of T . Then:
1) a word (S, T) is defined as a word if S is a subset of T .
2) a word (S, T) is defined as a word if S is a subset of T .
3) a word (S, T) is defined as a word if S is a subset of T .

**NOBODY:
GENERATORS OF A COXETER GROUP:**



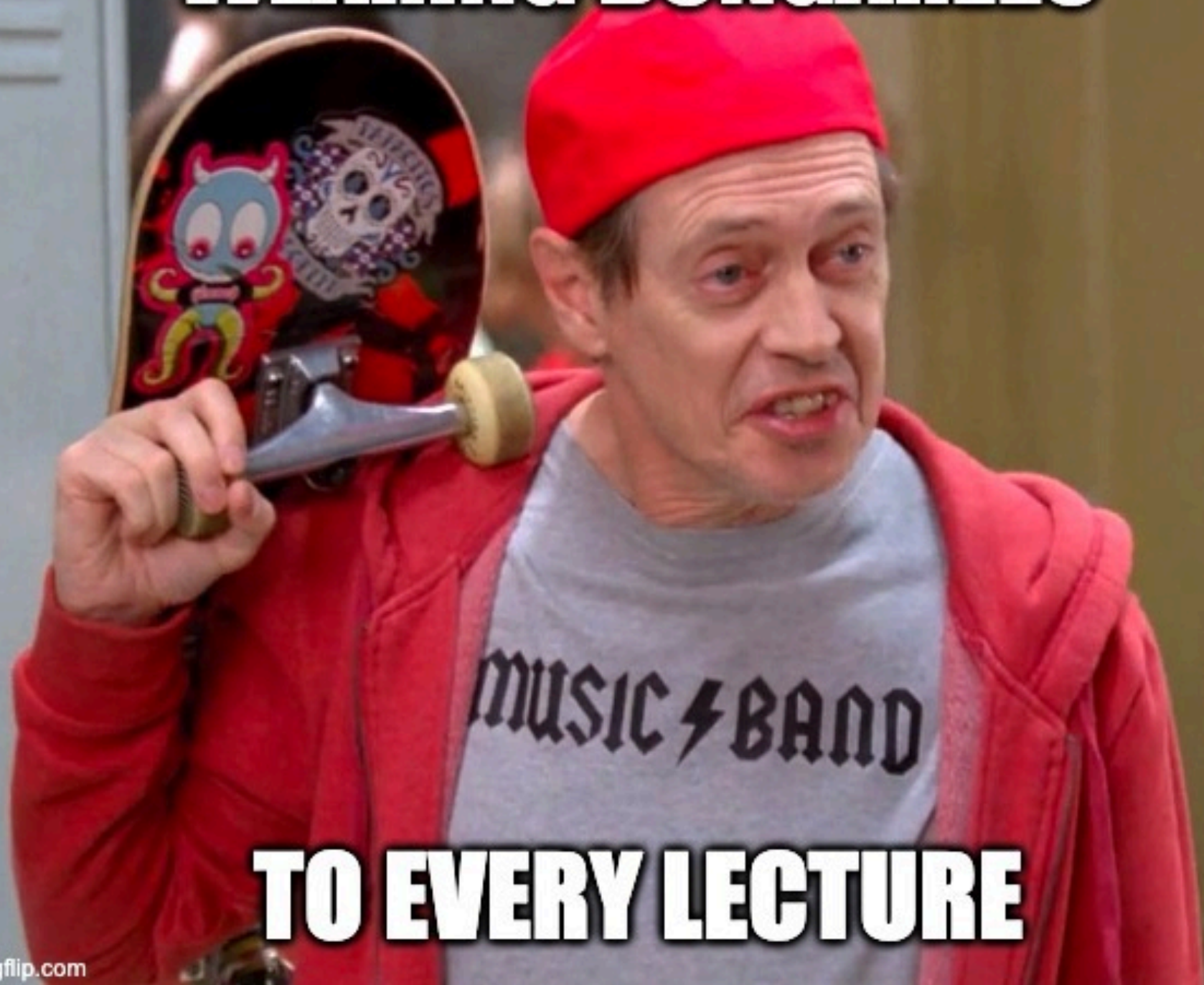
**basic
construction**



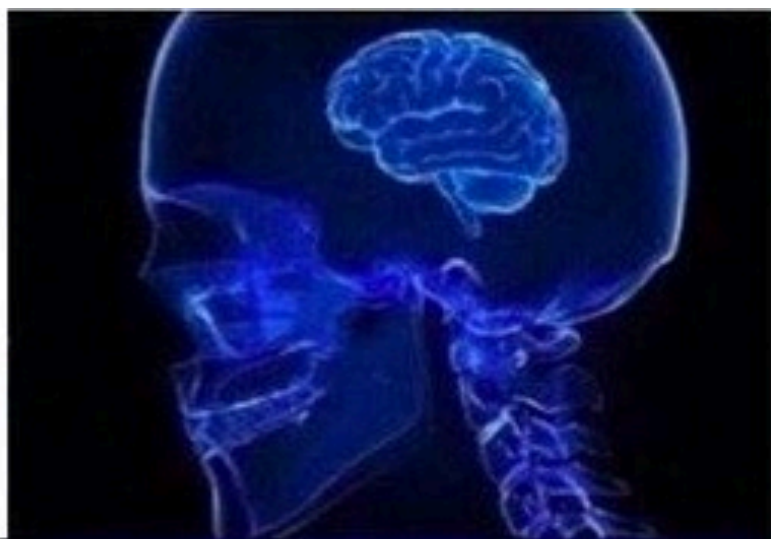
**geometric
realisation
of a poset**



WEARING DUNGAREES



**GEOMETRIC
REFLECTION
GROUP**



**PRE-REFLECTION
SYSTEM**

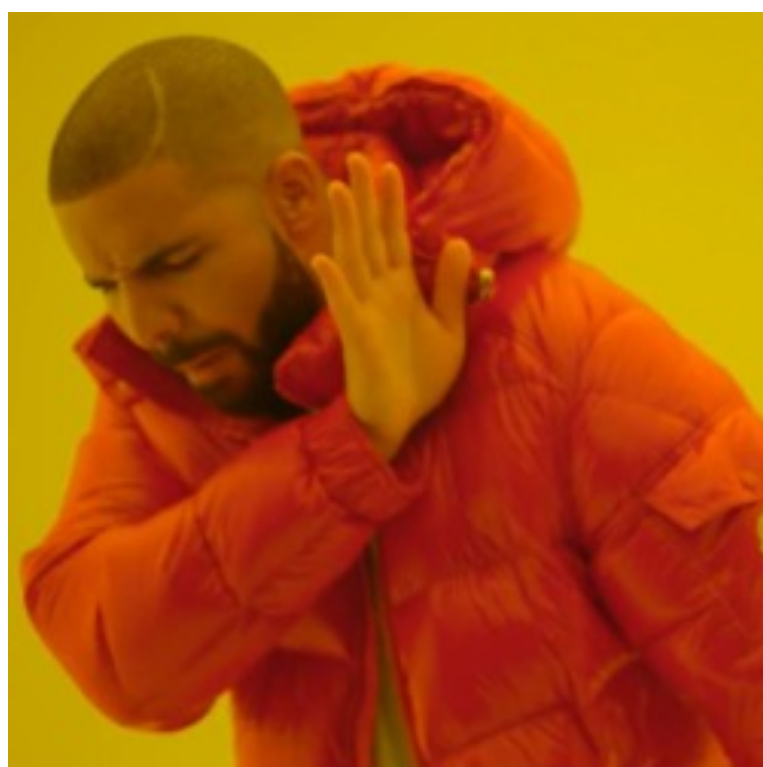


**COXETER
SYSTEM**



**LABELLED
GRAPH**





Revising
for my
Part III exams



Making
memes