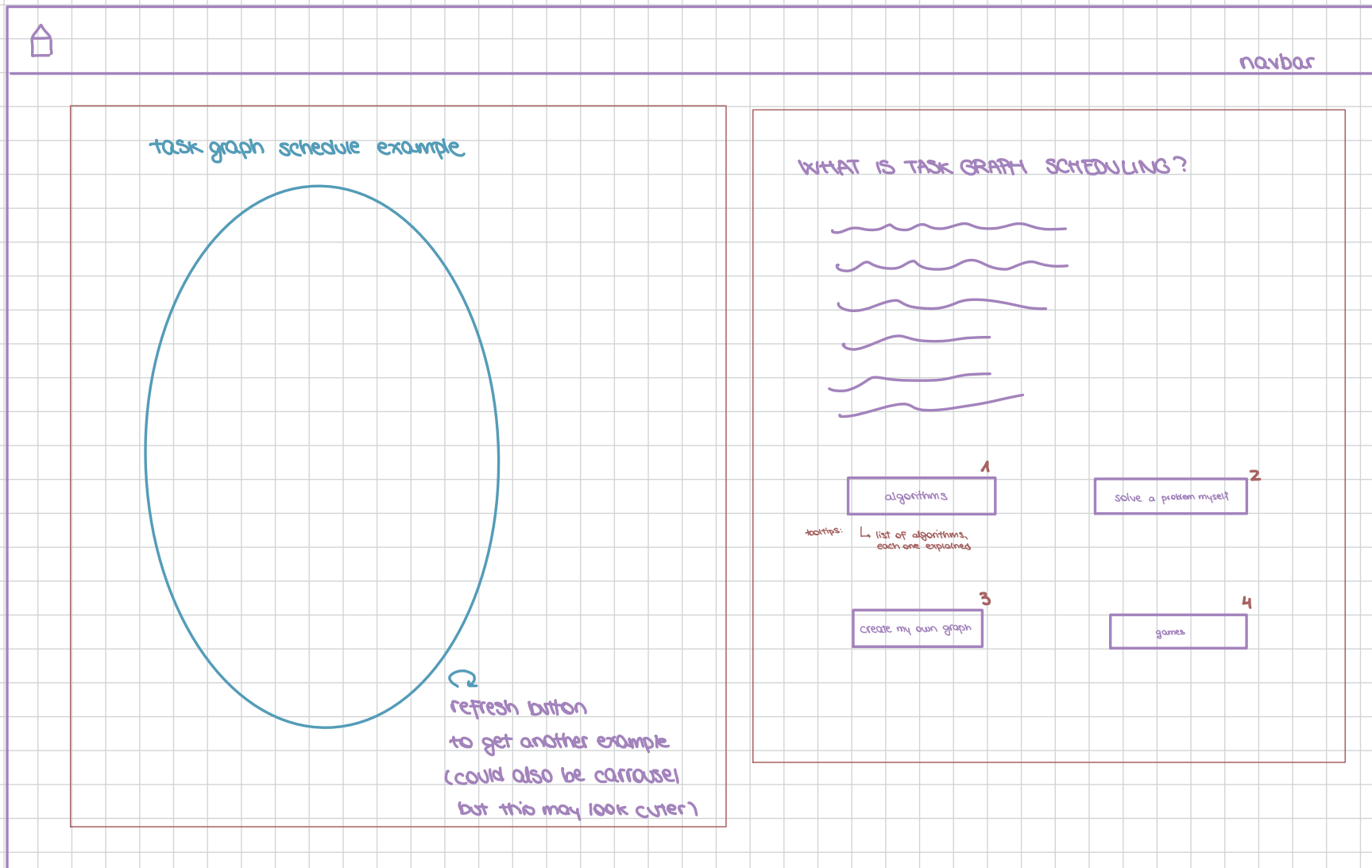


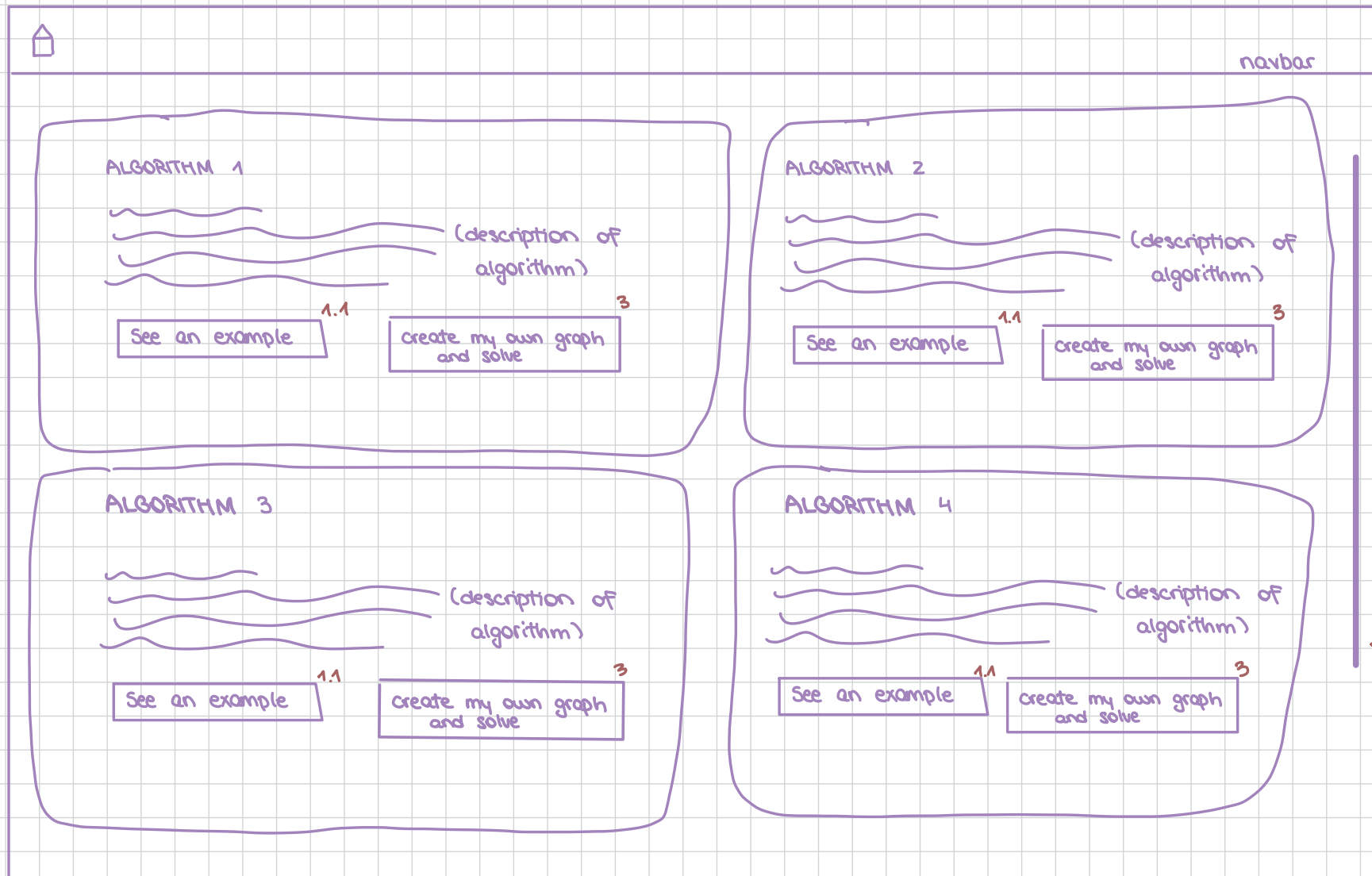
## O. INITIAL WEBPAGE



explain that it is  
a NP-problem so  
we can't ensure best  
solution

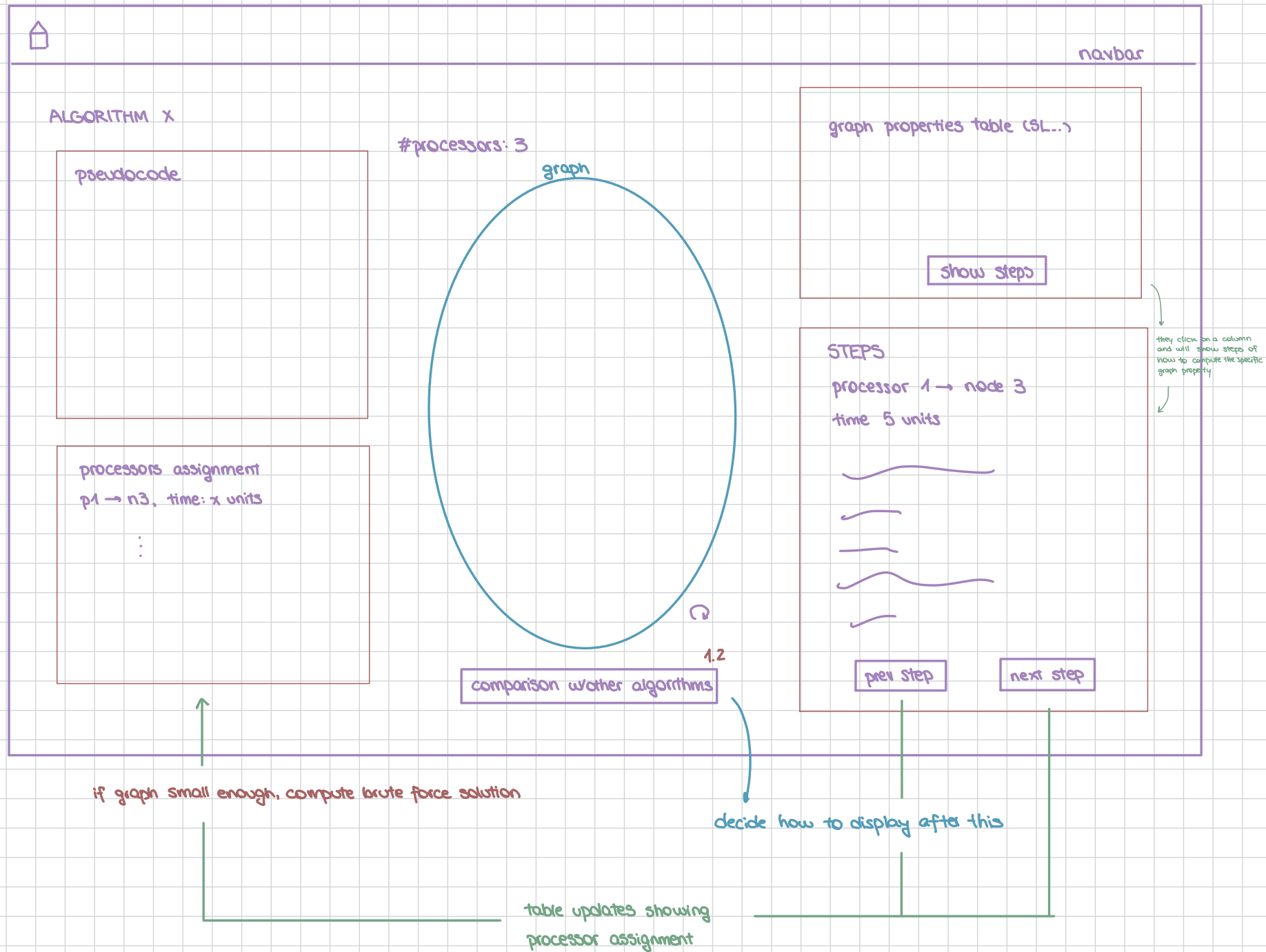
## 1. ALGORITHMS

On phone, one algorithm per row



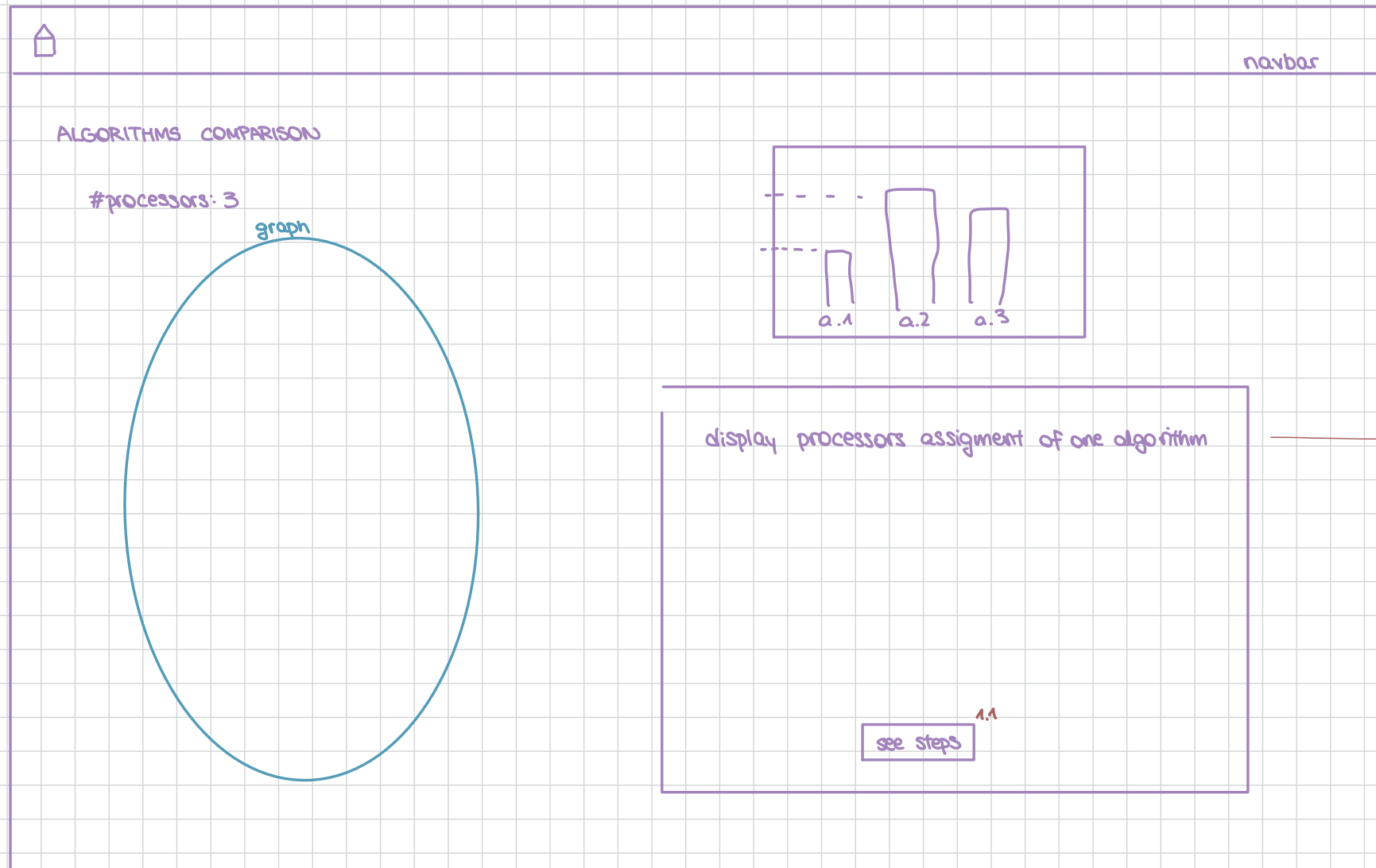
## 1.1. ALGORITHMS: STEPS

set of some predefined graphs



Show comparison, what is the difference

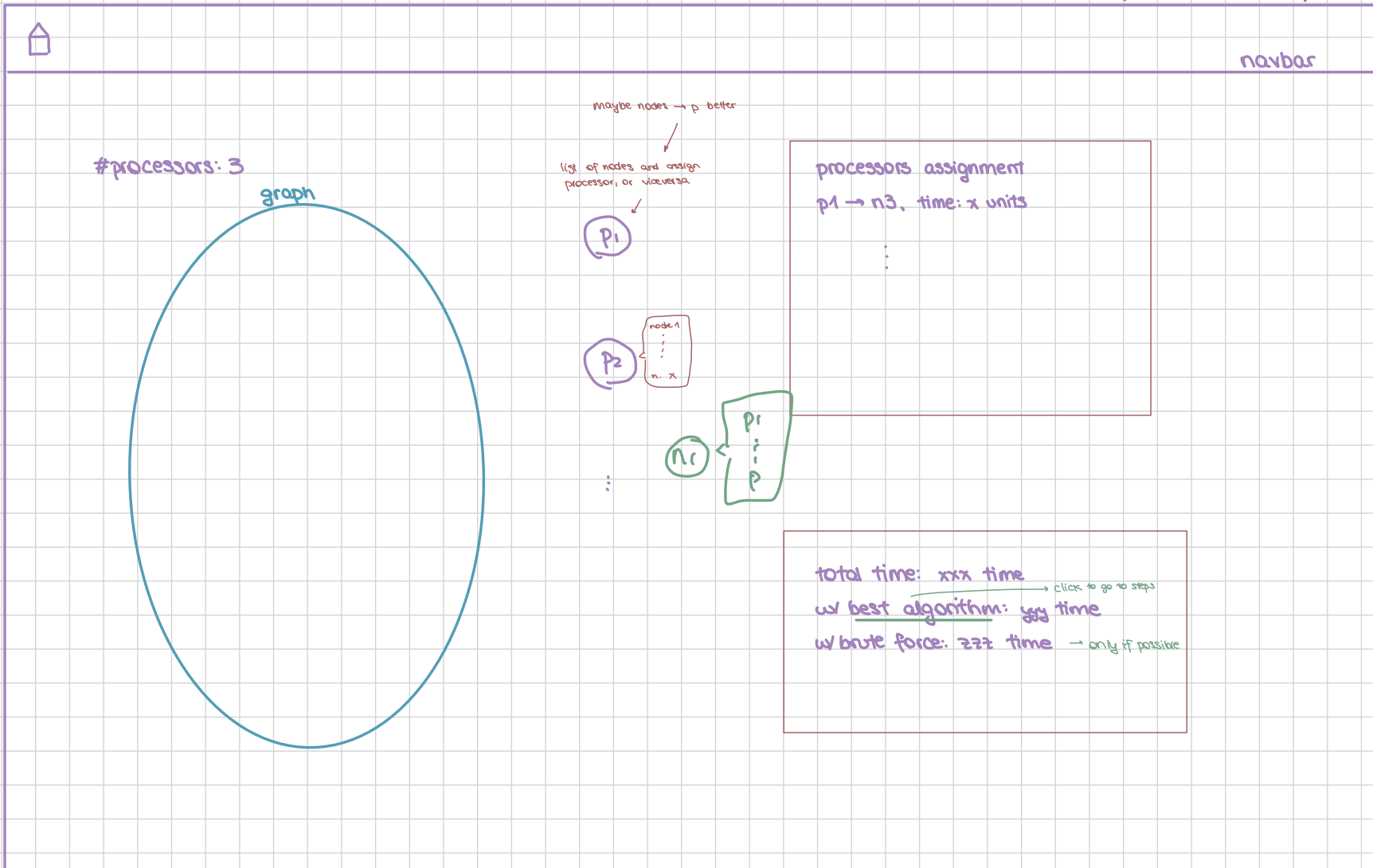
## 1.2. ALGORITHMS COMPARISON RESULT




Additional feature if enough time: let users guess which will be the next assignment

## 2. SOLVE PROBLEM MYSELF

keep state so if they press return button and come back their progress is saved









3. CREATE MY OWN GRAPH



navbar

Num of processors:



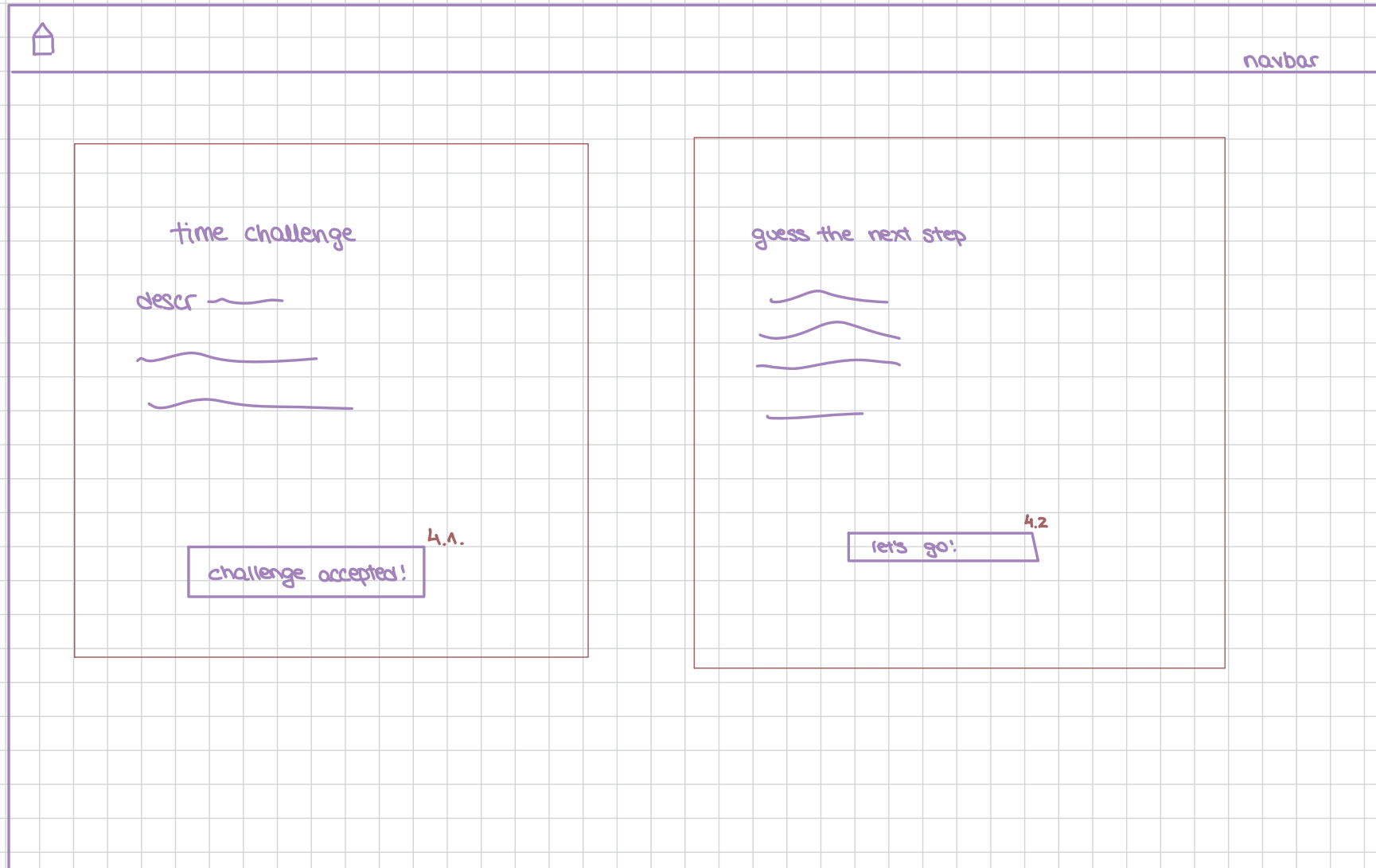
interactive window to create graph

solve myself<sup>2</sup>


machine solves<sup>1.2.</sup>  
all algorithms

to generate random graphs, we can have some templates and add random weights, costs and #processors

#### 4. GAMES



## 4.1. GAMES: time challenge



navbar

Challenge: obtain optimal solution in less than xxx seconds/minutes <sup>or below x time</sup> <sub>→ real time</sub>

#processors: 3

graph

maybe nodes → p better

list of nodes and assign processor, or viceversa

$p_1$

$p_2$  { node 1  
...  
n...x }

...

processors assignment  
 $p_1 \rightarrow n3$ , time: x units  
:  
:

timer  
00:43


total time: xxx time → clicks to go to steps

w/ best algorithm: yy time

w/ brute force: zzz time → only if possible



#### 4. GAMES: guess the next step



navbar

or below  $x$  time  
Challenge: obtain optimal solution in less than  $xxx$  seconds/minutes  $\rightarrow$  real time

timer  
00:43

#processors: 3

graph

maybe nodes  $\rightarrow$  p better

list of nodes and assign processor, or viceversa

$p_1$

$p_2$  { node 1  
:  
n...x

...

processors assignment  
 $p_1 \rightarrow n3$ , time:  $x$  units  
:  
:

total time:  $xxx$  time  $\rightarrow$  clicks to go to steps  
w/ best algorithm:  $yyy$  time  
w/ brute force:  $zzz$  time  $\rightarrow$  only if possible