

chapter4
wave

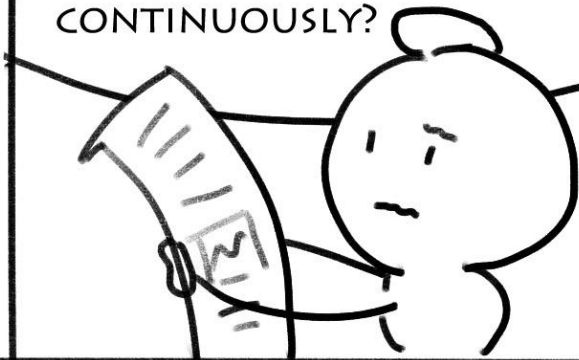


CHIEF OFFICER,
WE HAVE A NEW
TASK ,I NEED
YOU TO TAKE A
LOOK.

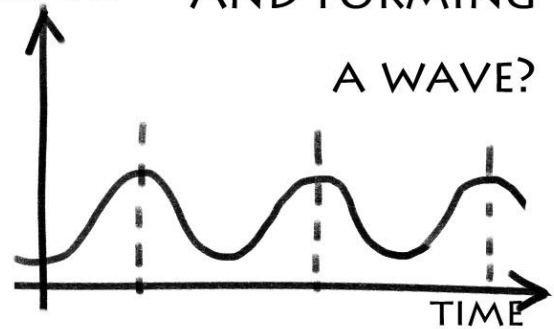
YES SIR!



EMM, WE NEED PRODUCE
SOME GFP AS SIGNAL UN-
CONTINUOUSLY?



SIGNAL AND FORMING
A WAVE?



(THE PRODUCING SIGNAL SHOULD HAVE
REGULAR STRENGTH VARIATIONS ACCORD-
ING TO THE VARIATIONS OF TIME.)



YES, WE ARE SUPPOSED
TO PRODUCE CONTINU-
OUS WAVE 3 HOURS A
CIRCUIT.



THAT MEANS, THE EXPRESSING GFP
NEEDS TO BE REGULAR AND VARIATIONAL.....

OH..



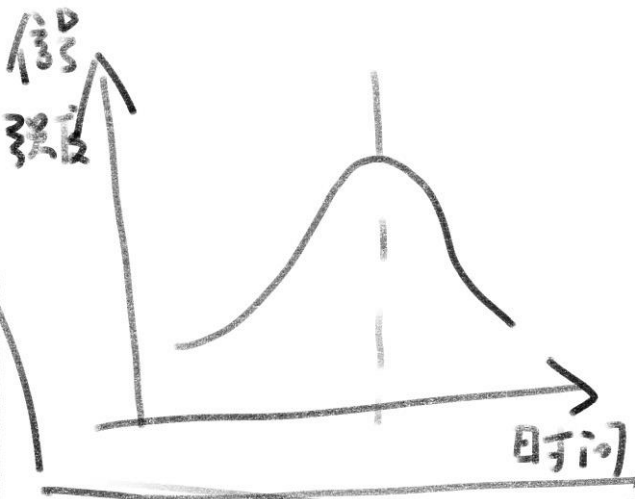
I
KNOW
YOU ARE
BUGING,
GUYS!

THERE'S NO NEED TO EAVES-
DROP BECAUSE I'LL EXPLAIN IT
TO YOU LATER.

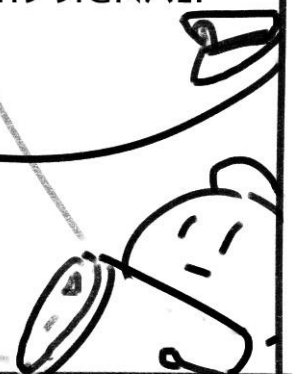
ACTUALLY, I NEED YOU GAYS
TO CALL THE CREWS TOGETH-
ER NOW, HURRY UP!

CHIEF OFFICER, PRE-
PARE THE PROJECTOR!

YES,-
SIR!



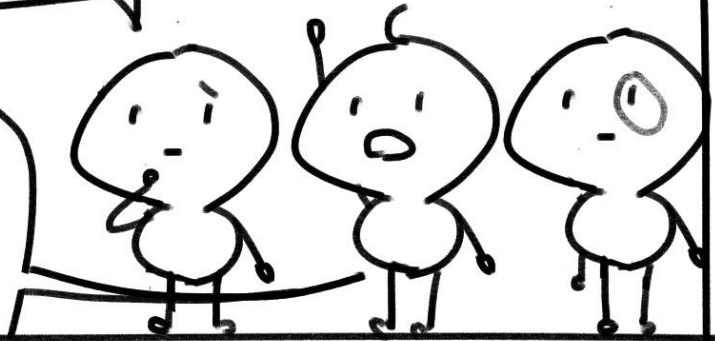
FIRSTLY, WHAT
SHOULD WE DO IF
WE NEED TO PRO-
DUCE THIS SIGNAL?



IT SEEMS THAT WE NEED PRODUCE THIS PROTEIN AT A PERIOD OF TIME AND STOP FOR A PERIOD OF TIME.

AND WE SHOULD CONSIDER THE ^{mRNA} NUMBER OF MRNA!

BUT CAPTAIN, WE CAN'T CONTROL THE PRODUCTION OF PROTEIN, WE MUST LISTEN TO THE ORDER OF MRNA!



IT LOOKS LIKE THAT MY CREWS GROW A LOT, MAYBE I DON'T NEED TO TELL THEM IN ADVANCE.

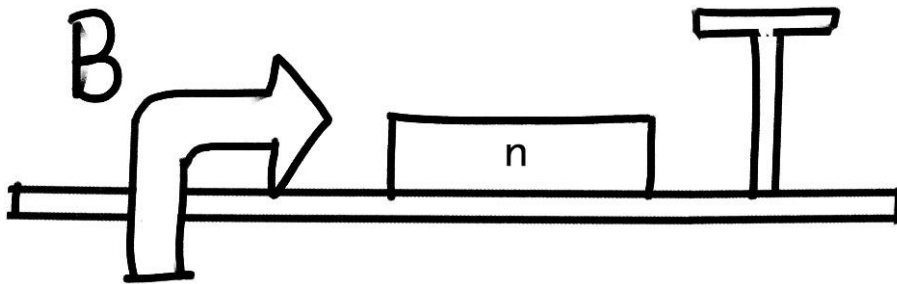
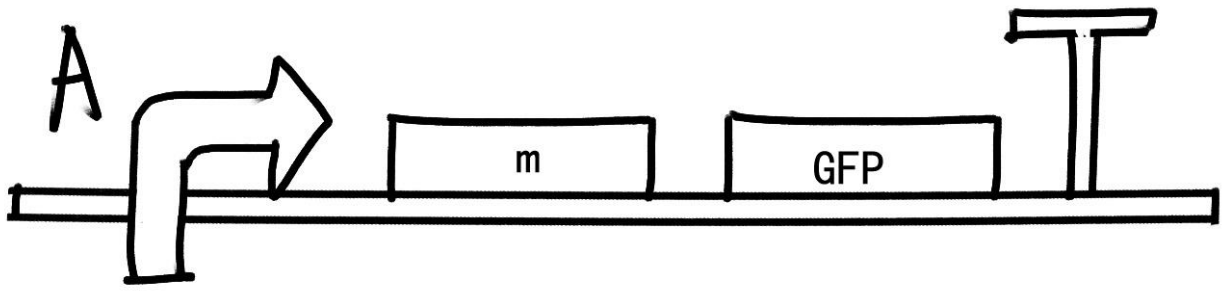


COME ON GUYS!
LET'S EXPLAIN IT WHILE WE'RE WORKING!

BUT WE STILL DON'T KNOW WHAT THE JOB IS...

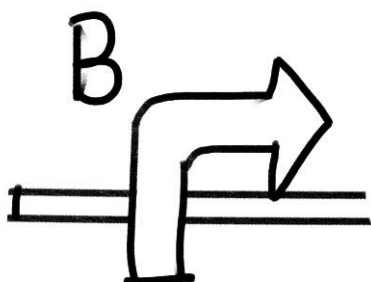
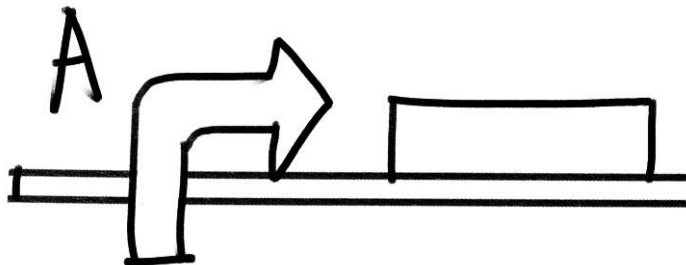
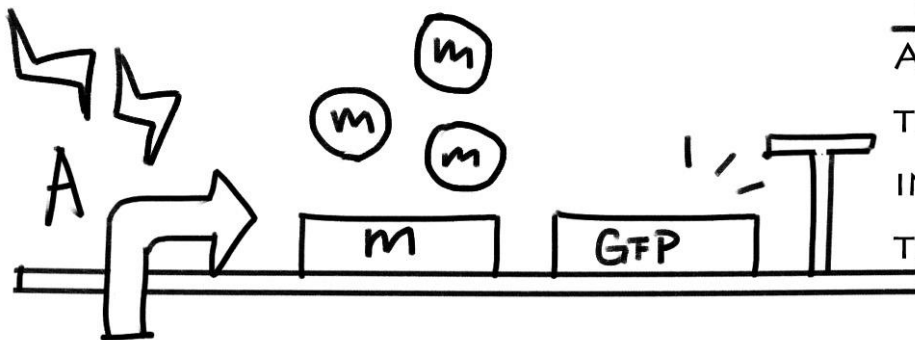
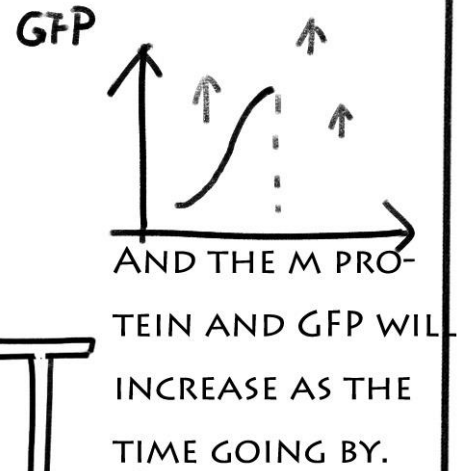


THIS IS THE CIRCUIT OF THIS JOB!

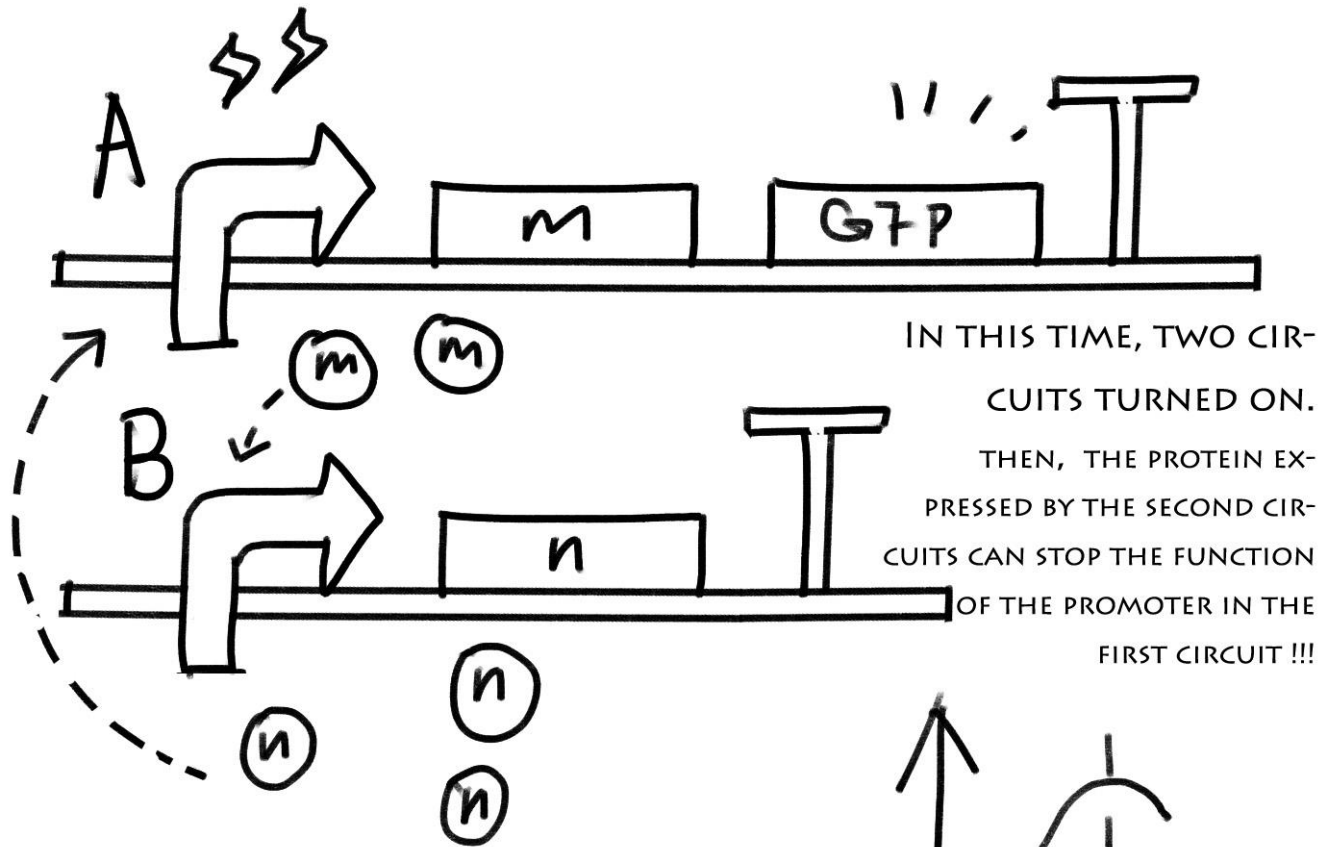


THIS IS
HOW IT
WORKS!

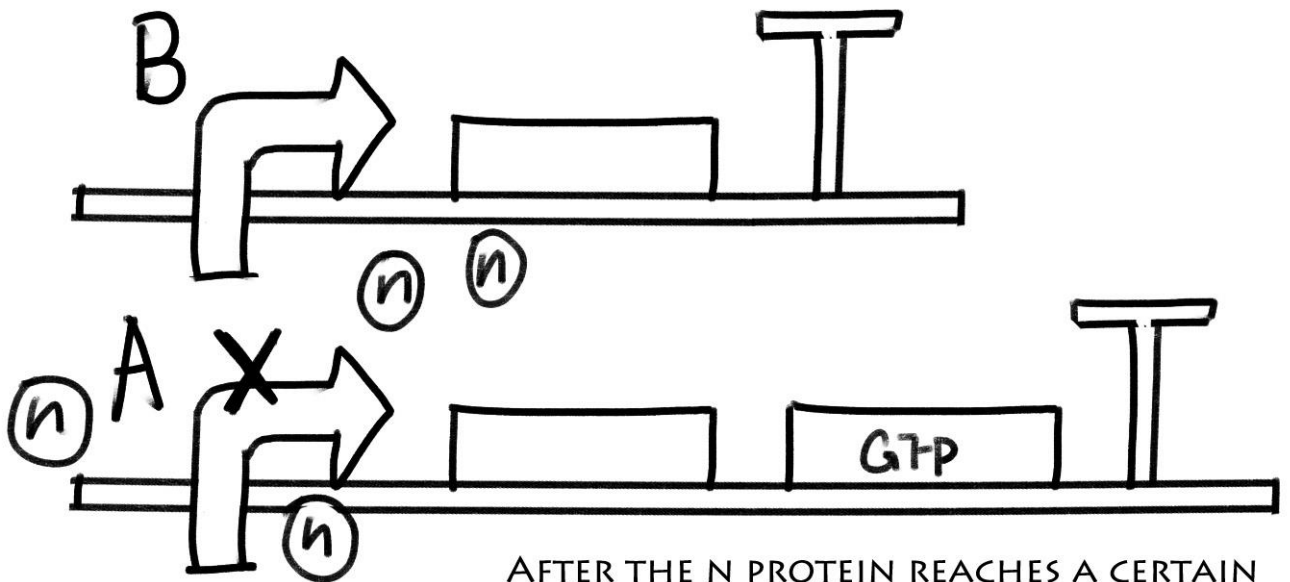
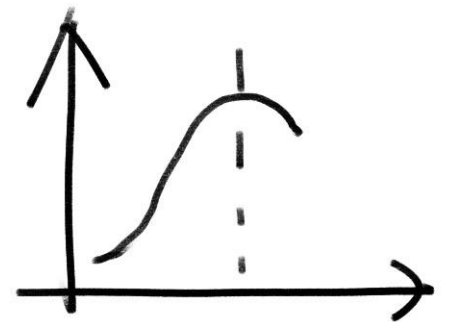
AT FIRST, ENVIRONMENTAL SUBSTANCE WILL
ACTIVATE THIS CIRCUIT, YOU SHOULD WORK
ON IT AND PRODUCE PROTEIN M AND GFP.



MAGICALLY,
PROTEIN M CAN
ACTIVATE CIR-
CUIT 2.

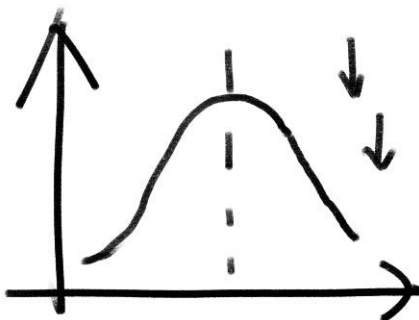


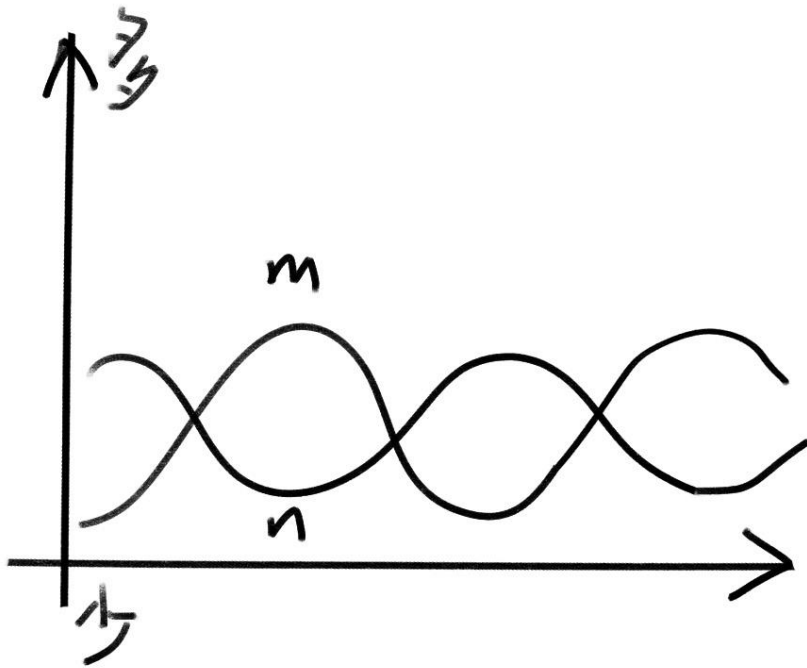
THEREFORE, WITH THE PROTEIN N IMPROVING, THE PROTEIN M AND GFP WILL BEGIN TO REDUCE.



AFTER THE N PROTEIN REACHES A CERTAIN AMOUNT, THE FIRST CIRCUIT IS TURNED OFF. M PROTEIN AND GFP LESS.

BUT THE SECOND CIRCUIT WILL NOT BE ABLE TO OPEN DUE TO THE REDUCTION OF PROTEIN M



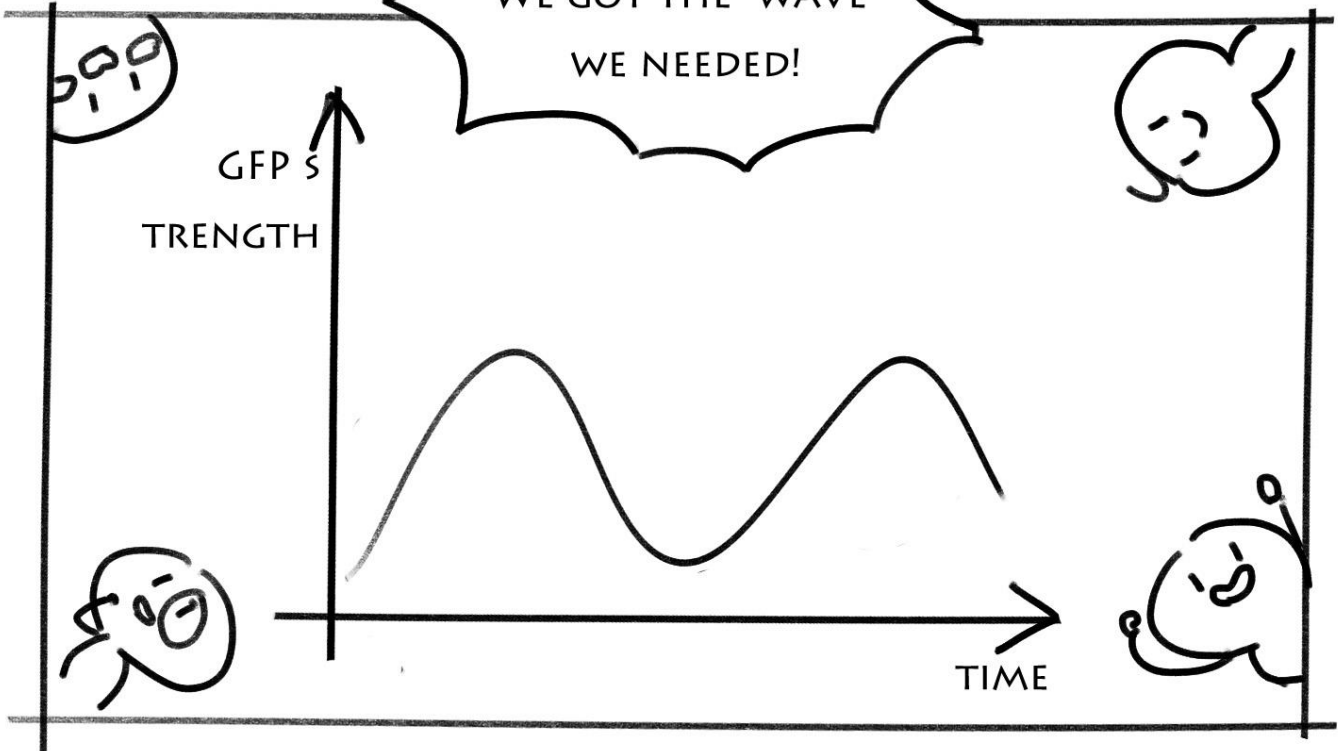


THUS, PROTEIN M AND PROTEIN N WILL BE UP AND DOWN. AND THAT STATE CAN KEEP GOING.

GFP HAS THE SAME TREND AS PROTEIN M, WE ONLY LOOK AT GFP...



WE GOT THE "WAVE" WE NEEDED!



IT'S THE
ALARM!

ALARM-

ALL HAVE!
WORKING
STATE!
DISPATCHED
!

YES, SIR!!

