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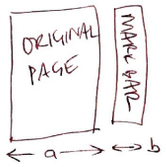
A1 (a) This is an answer to a question on how to add marking boxes to a pdf. They should appear somewhere over there →

(b) But actually, if we drew a diagram, we might see this.




I forgot something .. I'll put it in here using the pdf editor

Something extra entered by hand using a very old intuous tablet

(c) The maths for the width is trivial

$$w = a + b.$$

OR:

$$\int_0^{a+b} dl = a+b$$

which is what we expect.

7123456

A2 (a) We start with an exponential

$$e^{-\alpha x} = A(x)$$

Then make up some conditions to complete the specification, such as

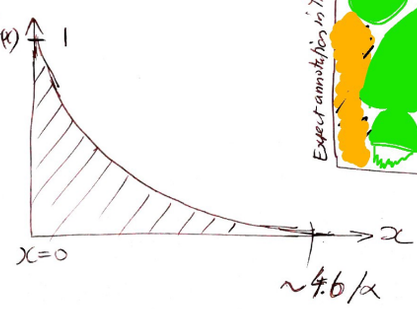
$\alpha \leq \alpha_{max}$, and

$\alpha \geq \alpha_{min}$.

(b) Again, not rocket science that

$\alpha_{min} \leq \alpha \quad \alpha_{max}$.

(c)



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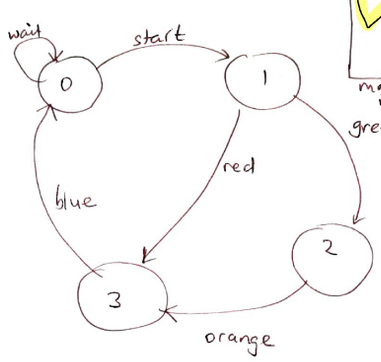
B1

(a)




$V = \frac{W}{2}$

more annotation in here

"The coloured states are numbered starting at zero" makes no sense because the edges have colour names, and these represent transitions.

I'll edit/annotate in this box electronically

(b) $\overline{A+B} = \overline{A}.\overline{B}$

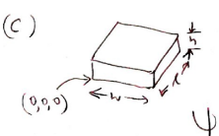
$A = A(B+\overline{B})$

$$\oint V\,dv = 0$$

kind of makes it a bit simple.

because I forgot something oops.

(c)




$$\oint_V \psi_v\,dv = \int_0^h\int_0^l\int_0^w \psi(x,y,z)\,dx\,dy\,dz$$

$$\psi(x,y,z) = x + 2y - z^2$$

## Quality & Orientation

## Page Heading

Q1 B987 | Question1 | Q1(a) | ~~Q1~~ | ~~B9876~~ | Smith matric

## Filename

ENGI00-B123456 | course-ENGI00-num-B123456 | ~~ENGI00-~~ | ~~B123456~~

test-3page.pdf