(a)

start

wait

0

1

green

red

blue

2

3

orange

more annotation in here

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

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

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

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

I'll edit/annotate in this box electronically

$\oint V dv = 0$

kind of makes it a bit simple.

because I forgot something. oops.

(c)

$(0,0,0)$ ←w→

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

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