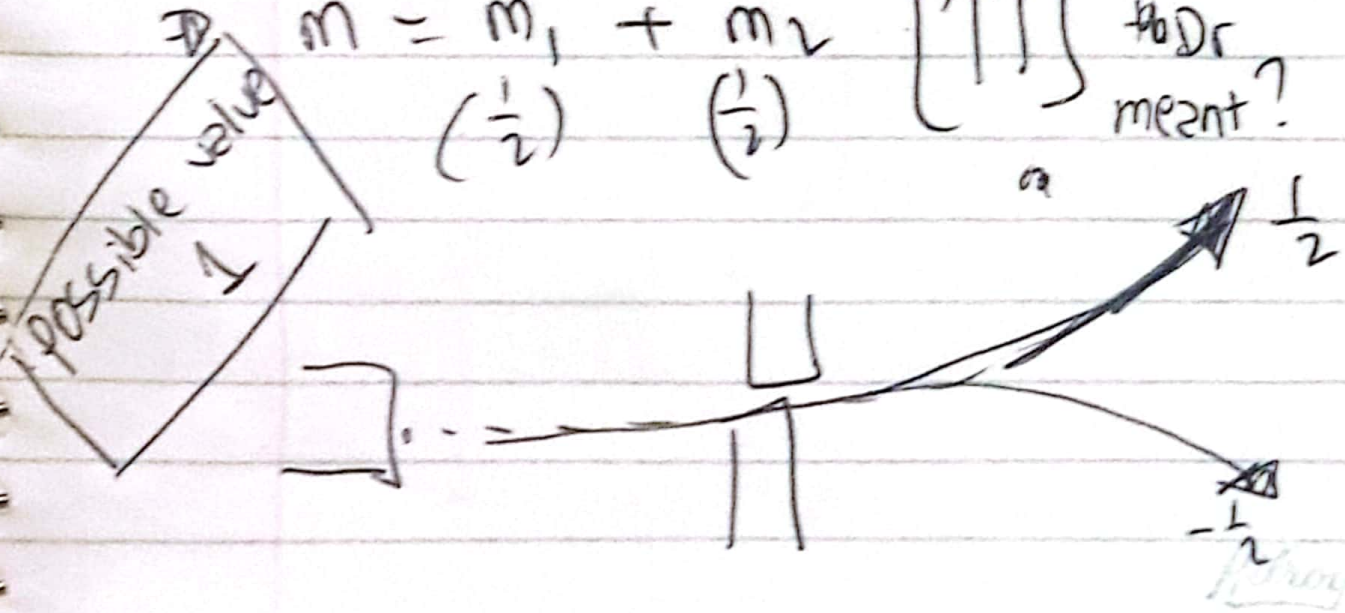
possible combinations

$m = m_1 + m_2$

$(\frac{1}{2})$ $(\frac{1}{2})$

[↑↑] what to Dr meant?

or



electron

m_1 = positive $[\frac{1}{2}]$

m_2 = positive $[\frac{1}{2}]$

proton

$m = (\frac{1}{2}) + (\frac{1}{2})$

$= \frac{2}{2} = 1$

[this is ignored]

m_1 = $\frac{1}{2}$, $\frac{1}{2}$, $-\frac{1}{2}$, $-\frac{1}{2}$ — 4

m_2 = $\frac{1}{2}$ $m=1$; $-\frac{1}{2}$ $m=0$; $\frac{1}{2}$ $m=0$; $-\frac{1}{2}$ $m=-1$

problem?

$l = 1$

possible configuration values

$2l+1$

if $l=1$ 3 possible configuration values

$S=1$

$2s+1$

$2(1)+1$

$=3$

Original output = 4 expected output = 3

3 : 4

[10] [00]