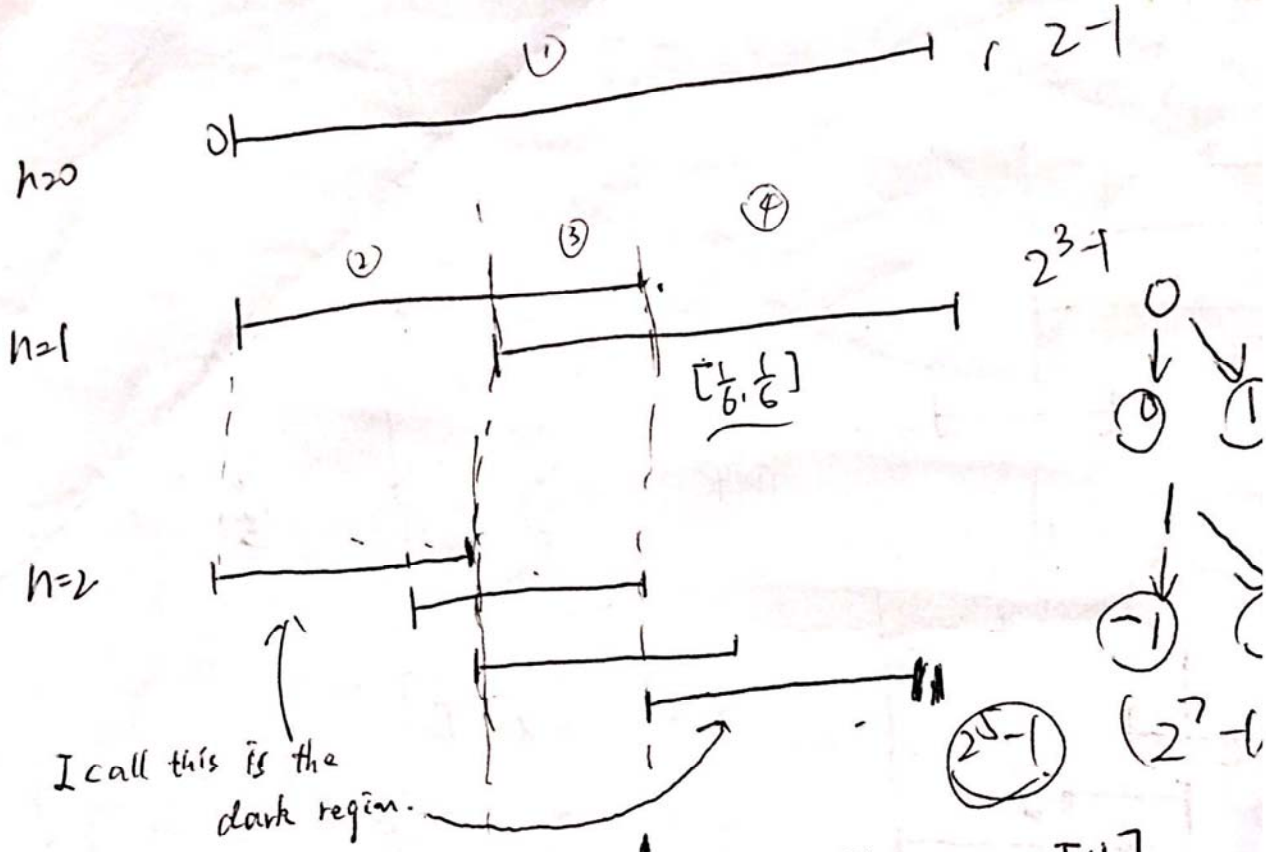

$n=0$ $\quad 0 \quad 1 \xrightarrow{\beta} \quad [0] \quad [1]$

$n=1$ $\quad 0 \quad \frac{1}{\beta} \quad 1-\frac{1}{\beta} \quad 1 \xrightarrow{\beta} \quad [0,0] \quad [0,1] \quad [$

$n=2$ $\quad 0 \quad \frac{1}{\beta^2} \quad \frac{1}{\beta}-\frac{1}{\beta^2} \quad \frac{1}{\beta} \uparrow \quad 1-\frac{1}{\beta}+\frac{1}{\beta^2} \quad 1-\frac{1}{\beta^2} \quad 1$

$1-\frac{1}{\beta}$

$[0,0,0] \quad [0\,0\,1] \quad [0\,1\,-1] \quad [0\,1\,0] \quad [1\,-1\,0]$

$[1\,-1\,1] \quad [1\,0\,-1] \quad [1\,0,0]$

sum(p) = 0 , p left end point

sum(p) = 1 , p right endpoint.