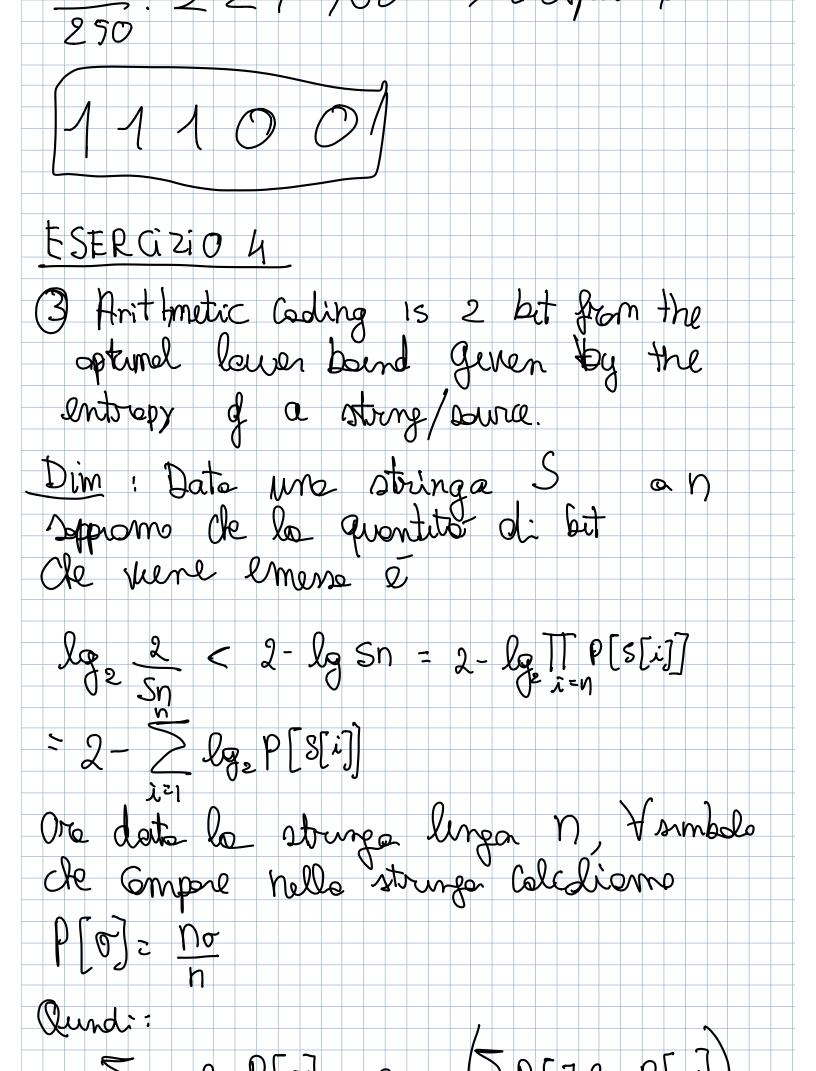
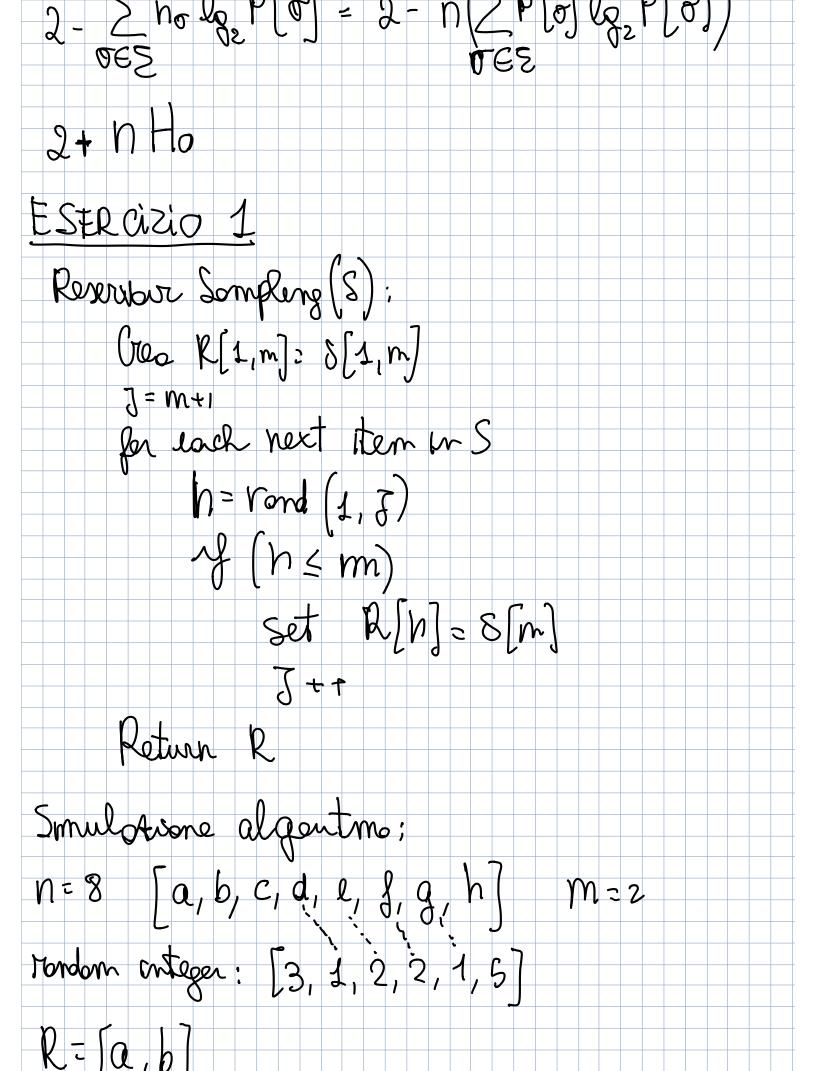
ESERCIZIO 2

$$p(a) = 0, 2 = \frac{1}{5}$$
 $p(b) = p(0) = 0, 4 = \frac{3}{5}$ 
 $g(a) = 0$ 
 $g(b) = \frac{1}{5}$ 
 $g(c) = \frac{3}{5}$ 
 $g(c) = \frac{3}{5}$ 

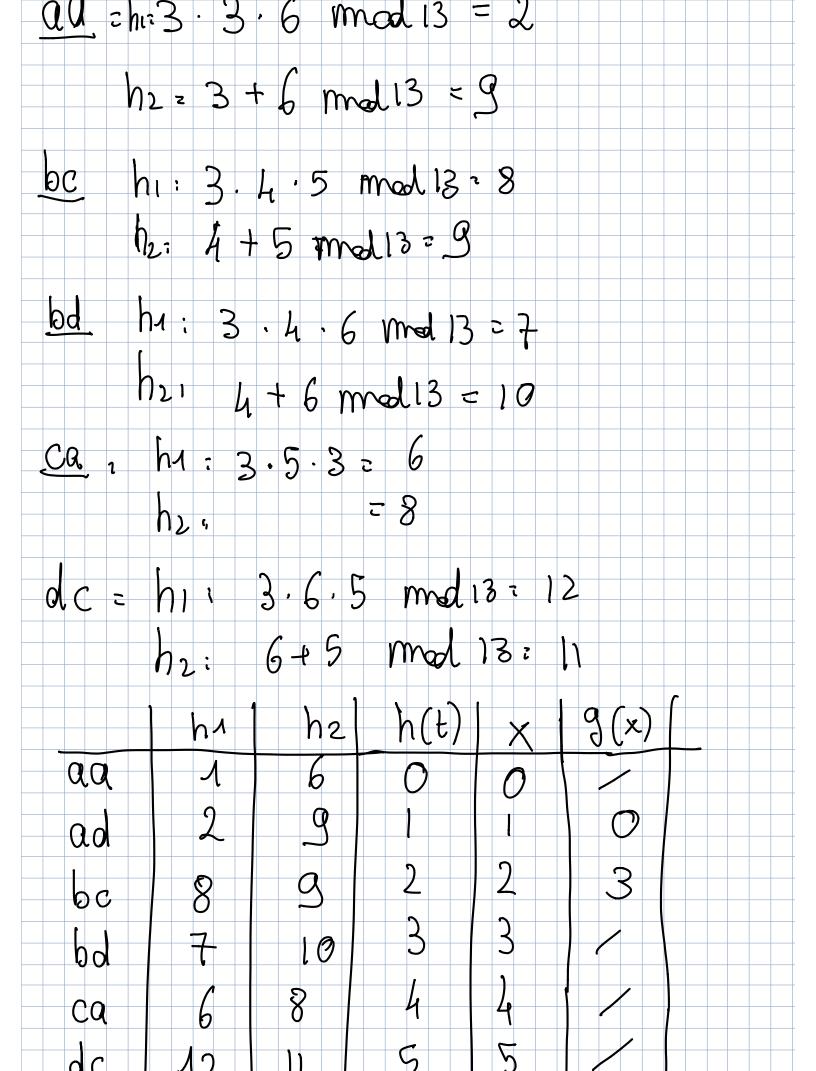


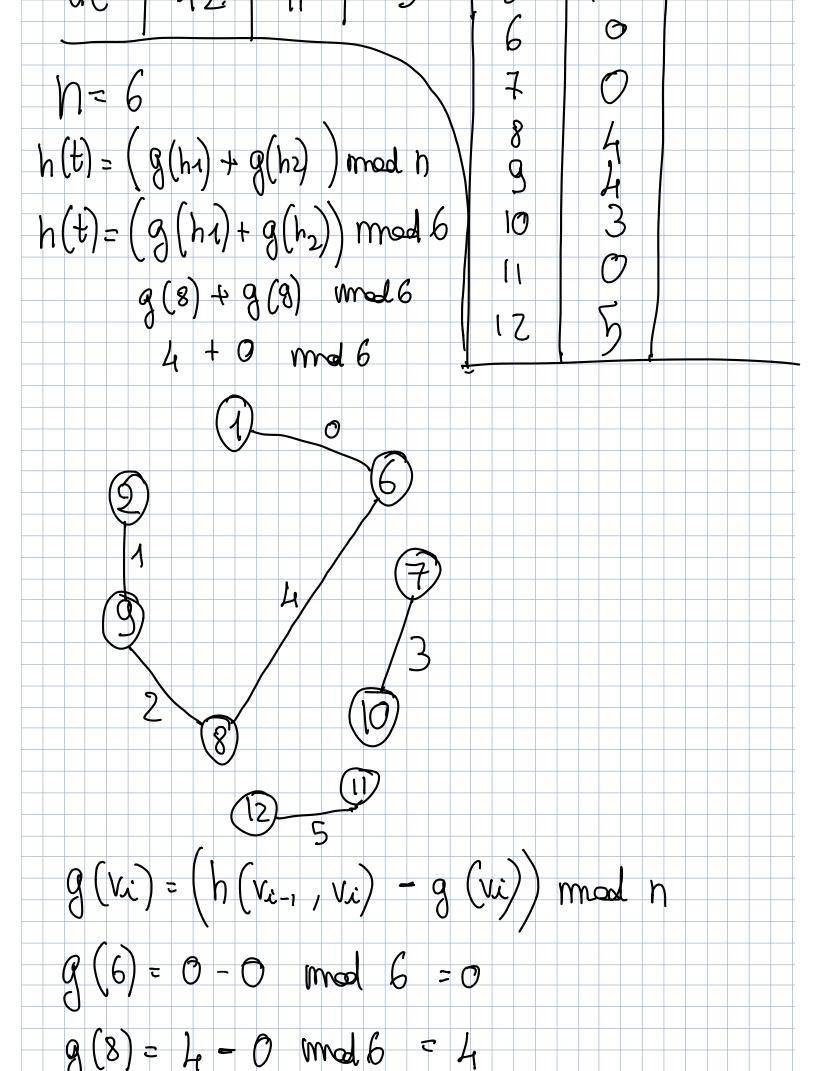


$$h=3 \rightarrow N0$$
 $h=1 \rightarrow R[i]=d \rightarrow R[d,b]$ 
 $h=2 \rightarrow R[2]=e \rightarrow R[d,e]$ 
 $h=1 \rightarrow R[i]:g \rightarrow R[g,g]$ 
 $h=1 \rightarrow R[i]:g \rightarrow R[g,g]$ 
 $h=5 \rightarrow Nente$ 

allo fine il somple  $e [g,g]$ 
 $e [g,$ 

else of  $(p > \frac{\lambda+J}{2})$ Bounde dQS (S, Pti, Z) moestran Sort (S, i, T) Con il Clorico Queksoit alboron un Costo in spokes () (n) douts alle chamble reconsis. Con l bounded QS riducions questo costo a O (lgr) perché triducions le chomete ricorsile. Infolli si usa la tes elimination of tal recurron e ordiano agri telle a fre la riconsone pulla parte Più piccole dell'array, milla plu grande intere ordiono avonti Con il ville poi le dividions e di novo richemomo bounded QS rulla porte pui piccola ESTERCIZIO 3 Jaa,ad, bc,bd,ca,dc4





g(3) = 2 - 1 = mod 6 = -2 mod 6 = 4 g(2) = 1 - 1 = mod 6 = 3 g(10) = 3 - 0 mod 6 = 3 g(12) = 5 - 3 mod 6 = 5