

COMP9315 14s2 ... Q7

#bits for each attr ... a=4, b=2, c=2

(a) For Q1, a!,b?,c? 4 unknown bits => 16 pages

(b) For Q2, a?,b!,c? 6 unknown bits => 64 pages

(c) For Q3, a!,b!,c? 2 unknown bits => 4 pages

(d) For Q4, a?,b!,c! 4 unknown bits => 16 pages

(e) For Q5, a!,b?,c! 2 unknown bits => 4 pages

(f) Weighted average = $\text{sum}(P_{Qi} * \text{cost}(Qi))$

$$= 0.3*16 + 0.2*64 + 0.2*4 + 0.1*16 + 0.2*4 = 20.8$$