1) 2001. af washing mochines resquire service, 200 y 100 so, 100 p (w) =0000 st 100 y 000 32 % ay dryere lequire service lo, P(D) = 0.32 Roth aue independent => P(b) = Grave $P(WND) = P(W) \cdot P(D)$ = 0.2 x 0.32 0.064 So, Preobability that both unasher & drepers will need marant semme is P(wnD) = 0.064 11) Let x be the damage inculued un a cuitain type of accident during given year winth following Juab . destuisution γ 0 1000 5000 1000 P(x) 0.8 0.1 0.08 0.02 Lina company afferer a \$500 dedudible falicy, and expects 100 ferestet, une can define francism Function A = X + 100, fall X = 0 A = X-500 +100 = X-400, fall X = 1000, 5000, lead. Liedui budión aj A x 0 | 1000 | 5006 | 10000 æ 100 600 4600 9600

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P(a) 0.8 0.1 0.08 0.02

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