Oppsave 1, Bompenser: 1) De obetingede sanasynlighetene: P(t) = 55% = 0.55 P(17) = 46% = 0.45 De betingede sanasynlighetene: P(D17) = 0.01 P(D17) = 0.01 P(D17) = 0.00 2) P(D) = P(7). P(D17) + P(17). P(D17) = 0.55. 0.61 + 0.45. 0.10 = 0.0055 + 0.045 = 0.0505 3) P(71D) = P(7). P(D17) = 0.0505 = 0.0505
$P(13) = 46\% = 0.45$ $P(D 3) = 0.01$ $P(D 13) = 0.10$ $P(D 13) = 0.10$ $P(D) = P(3) \cdot P(D 3) + P(13) \cdot P(D 3)$ $= 0.55 \cdot 0.61 + 0.45 \cdot 0.10 = 0.0055 + 0.045 = 0.0505$ $P(3) \cdot P(3) \cdot P(D 3) = 0.55 \cdot 0.01$ $P(3) \cdot P(3) \cdot P(D 3) = 0.55 \cdot 0.01$
$P(13) = 46\% = 0.45$ $P(D 3) = 0.01$ $P(D 13) = 0.10$ $P(D 13) = 0.10$ $P(D) = P(3) \cdot P(D 3) + P(13) \cdot P(D 3)$ $= 0.55 \cdot 0.61 + 0.45 \cdot 0.10 = 0.0055 + 0.045 = 0.0505$ $P(3) \cdot P(3) \cdot P(D 3) = 0.55 \cdot 0.01$ $P(3) \cdot P(3) \cdot P(D 3) = 0.55 \cdot 0.01$
De betinge de Saunsynlighetene: $P(D 17) = 0.01$ $P(D 17) = 0.00$ $P(D 17) = 0.00$ 2) $P(D) = P(f) \cdot P(D f) + P(T) \cdot P(D T)$ $= 0.55 \cdot 0.01 + 0.45 \cdot 0.10 = 0.0055 + 0.045 = 0.0505$ $P(f) = P(f) \cdot P(D f) = 0.55 \cdot 0.01$ $O.55 \cdot 0.01 = 0.0055 = 0.089$
$P(D 3) = 0.01$ $P(D 3) = 0.00$ $P(D 3) = 0.00$ $P(D 3) = P(3) \cdot P(D 3) + P(3) \cdot P(D 3)$ $= 0.005 + 0.045 = 0.005$ $P(3) \cdot P(3) \cdot P(D 3) = 0.005 + 0.045 = 0.005$ $P(3) \cdot P(3) \cdot P(D 3) = 0.005$
$P(D 3) = 0.01$ $P(D 3) = 0.00$ $P(D 3) = 0.00$ $P(D 3) = P(3) \cdot P(D 3) + P(3) \cdot P(D 3)$ $= 0.005 + 0.045 = 0.005$ $P(3) \cdot P(3) \cdot P(D 3) = 0.005 + 0.045 = 0.005$ $P(3) \cdot P(3) \cdot P(D 3) = 0.005$
$P(D T) = 0.00$ $P(D) = P(T) \cdot P(D T) + P(TT) \cdot P(D TT)$ $= 0.55 \cdot 0.01 + 0.45 \cdot 0.00 = 0.005S + 0.045 = 0.0505$ $P(T) = P(T) \cdot P(D TT) = 0.55 \cdot 0.01$ $P(T) = P(T) \cdot P(T) = 0.0505 = 0.089$
$= 0,55 \cdot 0,61 + 0,45 \cdot 0,10 = 0,005S + 0,04S = 0,0505$ $= 0,050 \cdot 0,01 = 0,005S + 0,04S = 0,0505$ $= 0,050 \cdot 0,01 = 0,050 \cdot $
$= 0,55 \cdot 0,61 + 0,45 \cdot 0,10 = 0,005S + 0,04S = 0,0505$ $= 0,050 \cdot 0,01 = 0,005S + 0,04S = 0,0505$ $= 0,050 \cdot 0,01 = 0,050 \cdot $
3) $P(\exists D) = \frac{P(\exists D) \cdot P(D)}{P(D)} = \frac{0.65 \cdot 0.01}{0.0505} = 0.089$
4) Nei, for de som er i mot bompense finansiert veiutbyssing ar
mer akt:r i à vise sin mening enn de som er for.
Pa vil antall son or for utbysgins ha et mindretall i
aktive pasoner.