1. balen! = 200 kus incompletni/ poict = $\frac{1}{3}$; objedna'v ka = $\frac{90}{90}$ P(kompletni > 70) = ?

K ~ Bi(n, p), n = $\frac{90}{90}$, $p = \frac{2}{3}$ P(K > 70) = WHAR 1 - $\frac{2}{90}$ P(Ki) ...

Pomoci CLV $\frac{1}{1-30}$ P(N(n·a, n·5²) > 70 = 1 - F(71)

= $1 - \frac{1}{90}$ P(N(n·a, n·5²) = $1 - \frac{1}{90}$ P(Z, 45.37)

= 1 - (0.39266; 0.33305) = (0.00635; 0.00714)~ 0.7%

vant = v poznamkách je vozptyl definován
pokud střední hodnota leží -00 CX C00

(iv)
$$P(X>5) = 1 - F(5) = 1 - (\frac{1}{1-5}+1) = x + \frac{1}{4} - x = \frac{1}{4}$$
 $P(|X-2| \le 1) = |x-2<0: -x+2\le 1 \le x \ge 1$
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 $P(|X-2| \le 1) = |x-2<0: -x+2\le 1$
 $P(|X-2| \le 1) = |x-2<$

2.
$$P(H|S) = \frac{1}{3}$$
 $P(H|M) = \frac{2}{3}$ $P(H) = \frac{2}{3}$
 $P(H) = \frac{1}{3}$ $P(H|M) \cdot P(H)$ $P(H) \cdot P(H)$ $P(H|M) \cdot P(H|M)$ $P(H|$