

•  $CPC_{cas} = N \cdot CPI_S \cdot t_{CPS}$

①  $A_N = 1,1 \cdot t_S$   
 $CPI_N = 1,02 \cdot CPI_S$

$CPC_{cas} < CPC_{cas}^{stat}$

$M \cdot CPI_N \cdot t_{CPS} < N \cdot CPI_S \cdot t_{CPS}$

$M \cdot 1,02 \cdot t_{CPS} \cdot 1,1 \cdot t_{CPS} < N \cdot t_{CPS} \cdot t_{CPS}$

$\frac{M \cdot 1,32}{(N - p \cdot N) \cdot 1,32} < 1$

$\frac{M(1-p) \cdot 1,32}{N} < 1$

$1,32 < 1,32p < 0$   
 $1,32 > 1,32p$   
 $1 > p$   
 $p < 1$

21

it would show  
 ↓  
 more than  
 present  
 ;  $M = N - p \cdot N$

$-1,32p < 1 - 1,32$   
 $p > \frac{1 - 1,32}{-1,32}$

$p > 0,24$   
 $p > 0,108$

$\frac{10,2}{15} = 72\%$

$\frac{0,24}{100} \cdot 15 = 0,36$

$p > 0,24$

$24,2 \cdot 15 = 364$

22

②  $N = 1620$

•  $CPI = \sum_{i=1}^n CPI_i \cdot p_i = \frac{\text{il. ribbon}}{\text{il. ribbon}}$

$CPI = 8 \cdot 0,31 + 5 \cdot 0,48 + 6 \cdot 0,21 = 6,14$

•  $MIPS = \frac{t_{CPS}}{CPI \cdot 10^6} = \frac{1}{CPI \cdot t_{CPS} \cdot 10^6}$

$MIPS = \frac{300 \cdot 10^6}{6,14 \cdot 10^6} = 48,86$

•  $CPC = \frac{ST \cdot U_{HAZOV}}{MIPS \cdot 10^6} = \frac{ST \cdot U_{HAZOV} \cdot CPI \cdot t_{CPS}}{t_{CPS}}$

$CPC = \frac{1620 \cdot 6,14}{300 \cdot 10^6} = 33,6 \cdot 10^{-6}$

il. ribbon = il. ribbon  
 il. ribbon

$\frac{ST \cdot U_{HAZOV} \cdot CPI}{t_{CPS}}$