1. $98273_{(10)} = (35966)_{13}$

Julian Szamotuła

98273	13	6
7559	13	6
581	13	9
44	13	5
3		3

2. $(\sim A + C)(AB + \sim A \sim B + AC) =$

$= \sim A(AB) + \sim A(\sim A \sim B) + \sim A(AC) + C(AB) + C(\sim A \sim B) + C(AC) =$

$\sim A \cdot A \cdot B = 0 \cdot B = 0$; $\sim A \sim A \sim B = \sim A \cdot \sim B$; $\sim A \cdot A \cdot C = 0$; $C \cdot A \cdot B$; $C \cdot \sim A \cdot \sim B$; $C \cdot A \cdot C = A \cdot C$

$= 0 + \sim A \sim B + 0 + CAB + C \sim A \sim B + AC =$

$= \sim A \sim B + CAB + C \sim A \sim B + AC =$

$= \sim A \sim B (1 + C) + CAB + AC = \sim A \sim B + CAB + AC$

3. 1)

AB \ CD	00	01	11	10
00	0	1	1	0
01	0	0	1	1
11	1	1	0	0
10	1	0	0	1

2) Grupy jedynek zaznaczone na ~~tabeli~~ tablicy.

~~3) $R = \sim A$~~

3) $F = (\sim A \sim B \cdot D) + (\sim A \cdot B \cdot C) + (A \cdot B \cdot \sim C) + (A \cdot \sim B \cdot \sim D) =$

$= \sim A(\sim B D + BC) + A(B \sim C + \sim B \sim D)$