

E_1 - množina pozitívnych TP (tych čo potrebujeme pokryť)
 E_2 - množina negatívnych TP (tych čo nepotrebujeme pokryť)
 VÝSTUP: popis tridy v tvare DNF - $G(E_1/E_2)$

$$G(e_i/e_j) = \bigcup_{j=1}^n (A_j + v_j)$$

$$G(e_i/E_2) = \bigcap_{e_j \in E_2} G(e_i/e_j)$$

LD aplikácia **ABSORBĚNĚHO ZÁKONA**

$$\begin{aligned} (a \vee b) \wedge a &= a \\ (a \wedge b) \vee a &= a \end{aligned}$$

$$(a \vee b) \wedge (a \vee c)$$

z E_1 vymažeme # príklady pokryté $G(e_i/E_2)$

$$\text{ak } E_1 = \{ \} \rightarrow G(E_1/E_2) = \bigcup_{i=1}^m G(e_i/E_2)$$

Chceme pokryť negatívne E1
 Rôžne

PR

	VÝSKA	KLAS	OČI	TRIEDA
1	n	b	h	-
2	v	t	h	-
3	v	b	m	+
4	v	t	m	-
5	n	t	m	-
6	v	č	m	+
7	v	b	h	-
8	n	b	m	+

-> pokryť $G(e_1/E_2)$ -> 1. bod

-> pokryť $G(e_4/E_2)$ -> 2. bod

-> pokryť $G(e_7/E_2)$ -> 1. bod

AQ11 " - "

$E_1: \{e_1, e_2, e_4, e_5, e_7\}$

... chceme pokryť

$$\begin{aligned} (a \vee b) \wedge a &= a \\ (a \vee b) \wedge c &= a \end{aligned}$$

$E_2: \{e_3, e_6, e_8\}$

... nechceme pokryť

Rôžne kombinácie

$$G(e_1/e_3) = \{ \text{VÝSKA} + v \vee \text{OČI} + m \}$$

$$G(e_1/e_6) = \{ \text{VÝSKA} + v \vee \text{KLAS} + \check{c} \vee \text{OČI} + m \}$$

$$G(e_1/e_8) = \{ \text{OČI} + m \}$$

ABSORBĚNÝ ZÁKON

$$\begin{aligned} G(e_1/E_2) &= \{ G(e_1/e_3) \wedge G(e_1/e_6) \wedge G(e_1/e_8) \} = \{ \dots \} = \\ &= \{ \text{OČI} + m \} \dots \text{pokryva } e_2, e_4 \rightarrow \text{OČI} = h \end{aligned}$$

$$G(e_4/e_3) = \{ \text{VLAST} \neq b \}$$

$$G(e_4/e_6) = \{ \text{VLAST} \neq \bar{e} \}$$

$$G(e_4/e_8) = \{ \text{VYSKA} \neq n \vee \text{VLAST} \neq b \}$$

$$G(e_4/E_2) = \{ G(e_4/e_3) \wedge G(e_4/e_6) \wedge G(e_4/e_8) \} = \{ \dots \} = \{ \text{VLAST} \neq (b \wedge \bar{e}) \}$$

\Rightarrow VLAST = t ... pokrývá e_8

$$G(E_1/E_2) = \{ G(e_1/E_2) \vee G(e_4/E_2) \} = \{ \text{DĚI} = h \vee \text{VLAST} = t \}$$

IF DĚI = h v VLAST = t THEN \ominus

AQ11 " + "

$$E_1 = \{ e_3, e_6, e_8 \}$$

$$E_2 = \{ e_1, e_2, e_4, e_5, e_7 \}$$

$$G(e_3/e_1) = \{ \text{VYSKA} \neq n \vee \text{DĚI} \neq h \}$$

$$G(e_3/e_2) = \{ \text{VLAST} \neq t \vee \text{DĚI} \neq h \}$$

$$G(e_3/e_4) = \{ \text{VLAST} \neq t \}$$

$$G(e_3/e_5) = \{ \text{VYSKA} \neq n \vee \text{VLAST} \neq t \}$$

$$G(e_3/e_7) = \{ \text{DĚI} \neq h \}$$

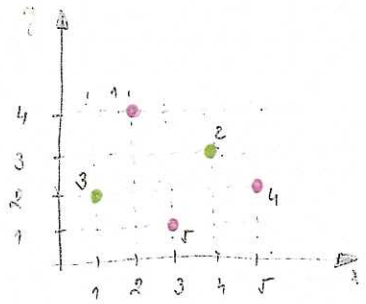
$$G(e_3/E_2) = \{ G(e_3/e_1) \wedge G(e_3/e_2) \wedge G(e_3/e_4) \wedge G(e_3/e_5) \wedge G(e_3/e_7) \}$$

$$= \{ \dots \} = \{ \text{VLAST} \neq t \wedge \text{DĚI} \neq h \} = \text{D}$$

\Rightarrow VLAST = b \vee VLAST = \bar{e} \wedge DĚI = m

... pokrývá \neq zvyšné možnosti.

PR



AQ11 " - "

$$E_1 = \{ e_1, e_4, e_5 \}$$

$$E_2 = \{ e_2, e_3 \}$$

$$G(e_1/e_2) = \{ x < 4 \vee Y > 3 \}$$

$$G(e_1/e_3) = \{ x > 1 \vee Y > 2 \}$$

$$\begin{aligned} G(e_1/E_2) &= \{ G(e_1/e_2) \wedge G(e_1/e_3) \} = \{ (x < 4 \vee Y > 3) \wedge (x > 1 \vee Y > 2) \} = \\ &= \{ (1 < x < 4) \vee (x < 4 \wedge 2 < Y) \vee (1 < x \wedge 3 < Y) \vee (3 < Y) \} = \\ &= \{ \underbrace{(1 < x < 4) \vee (x < 4 \wedge 2 < Y) \vee (3 < Y)}_{\text{ABSORBĀCIJAS ZĀKONS}} \} \end{aligned}$$

$$(a \vee b) \wedge (c \vee d) = ac \vee ad \vee bc \vee bd \quad \Rightarrow \text{DISTRIBUTĪVĀS ZĀKONS}$$

\downarrow polūjvārs e_1

$$G(e_4/e_2) = \{ x > 4 \vee Y < 3 \}$$

$$G(e_4/e_3) = \{ x > 1 \}$$

$$\begin{aligned} G(e_4/E_2) &= \{ G(e_4/e_2) \wedge G(e_4/e_3) \} = \{ (x > 4 \vee Y < 3) \wedge (x > 1) \} = \\ &= \{ \underbrace{(4 < x) \vee (1 < x \wedge Y < 3)}_{\text{ABSORBĀCIJAS ZĀKONS}} \} \end{aligned}$$

$$\begin{aligned} G(E_1/E_2) &= \{ G(e_1/E_2) \vee G(e_4/E_2) \} = \{ (1 < x < 4) \vee (x < 4 \wedge 2 < Y) \vee \\ &\vee (3 < Y) \vee (4 < x) \vee (1 < x \wedge Y < 3) \} \end{aligned}$$

IF $(1 < x < 4)$ THEN \ominus

IF $(x < 4 \wedge 2 < Y)$ THEN \ominus

IF $(3 < Y)$ THEN \ominus

IF $(4 < x)$ THEN \ominus

IF $(1 < x \wedge Y < 3)$ THEN \ominus