

DMD HOMEWORK 5 (25 сентября 2015 г.)

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Problem 1. select all categories and sort by name.

- (a) 666.6667
- (b) 668.1667
- (c) 1040000
- (d) 40000
- (e) 33000

Problem 2.1.

- (a)
 - i. YES. $\alpha \rightarrow 9, \alpha \rightarrow 16$
 - ii. NO. all right.
 - iii. YES. $F \rightarrow \alpha, F \rightarrow \beta$
 - iv. NO. all right.
 - v. NO. all right.
- (b) NO. You can't answer this question, observing the instance of S. One instance is not representative.

Problem 2.2.

- (a) (b)
- (b)
 - i. YES
 - ii. YES
 - iii. NO
 - iv. NO
- (c) False
 - $Q \rightarrow Q$
 - $Q \rightarrow R$
 - $Q \rightarrow U$
$$\{Q\}^* = \{Q, R, U\}$$
- (d) True
 - $P \rightarrow P$

- $P \rightarrow Q$
- $Q \rightarrow R$
- $Q \rightarrow U$
- $S \rightarrow S$
- $S \rightarrow T$
- $S \rightarrow V$

$$\{P, S\}^* = \{P, Q, R, S, T, U, V\}$$