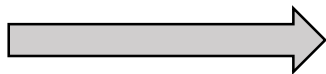


Users that **Search**

{
1,2,4,
5,7,8
12,13,15
}

Concrete



Data Abstraction

Users that **Search**

{
[1,4]
[5,8]
[12,15]
}

Intervals

$$\begin{array}{ccc} \text{Users that Search} & & \text{Users that Review} & & \text{Users that Purchase} \\ \left\{ 1, 2, 3, 4, 5 \right\} & \cap & \left\{ 1, 4, 5 \right\} & \cap & \left\{ 1, 7 \right\} \end{array}$$

Predicate Abstraction 

$$\begin{array}{c} \text{Users that Purchase} \\ \left\{ 1, 7 \right\} \end{array}$$