

Timestamps of Searches

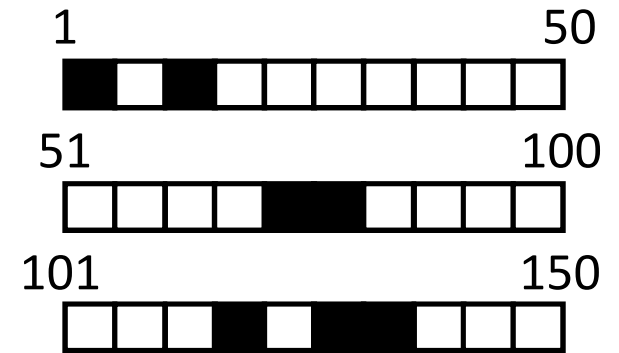
{ 1,12,15,
76,79,81,
119,127,135 }

Concrete



Data Abstraction

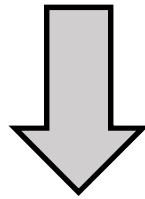
Timestamps of Searches



Interval Map

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

Predicate Abstraction



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