

(a-1) An example of SPView

```
CREATE VIEW SPView AS
SELECT sessionId, videoId, responseTime
FROM Log
WHERE userAgent LIKE "%Mozilla%"
```

(b-1) An example of FJView

```
CREATE VIEW FJView AS
SELECT sessionId, videoId, responseTime,
       duration
FROM Log, Video
WHERE Log.videoId = Video.videoId
```

(c-1) An example of AggView

```
CREATE VIEW AggView AS
SELECT videoId, max(responseTime) as
       maxResponseTime
FROM Log
GROUP BY videoId
```

(a-2) Update Patterns for the SPView

	sessionId	videoId	responseTime
Insert r1:	1	214	18 ms
Insert r2:	2	2056	15 ms

(b-2) Update Patterns for the FJView

	sessionId	videoId	responseTime	duration
Insert r1:	45	567	12 ms	0:34:23
Insert r2:	5566	20	20 ms	1:00:08

(c-2) Update Patterns for the AggView

	videoId	maxResponseTime (old)	maxResponseTime (new)
Insert r1:	5	NULL	15690 ms
Update r2:	1	1298 ms	6298 ms
Keep r3:	65	798 ms	798 ms