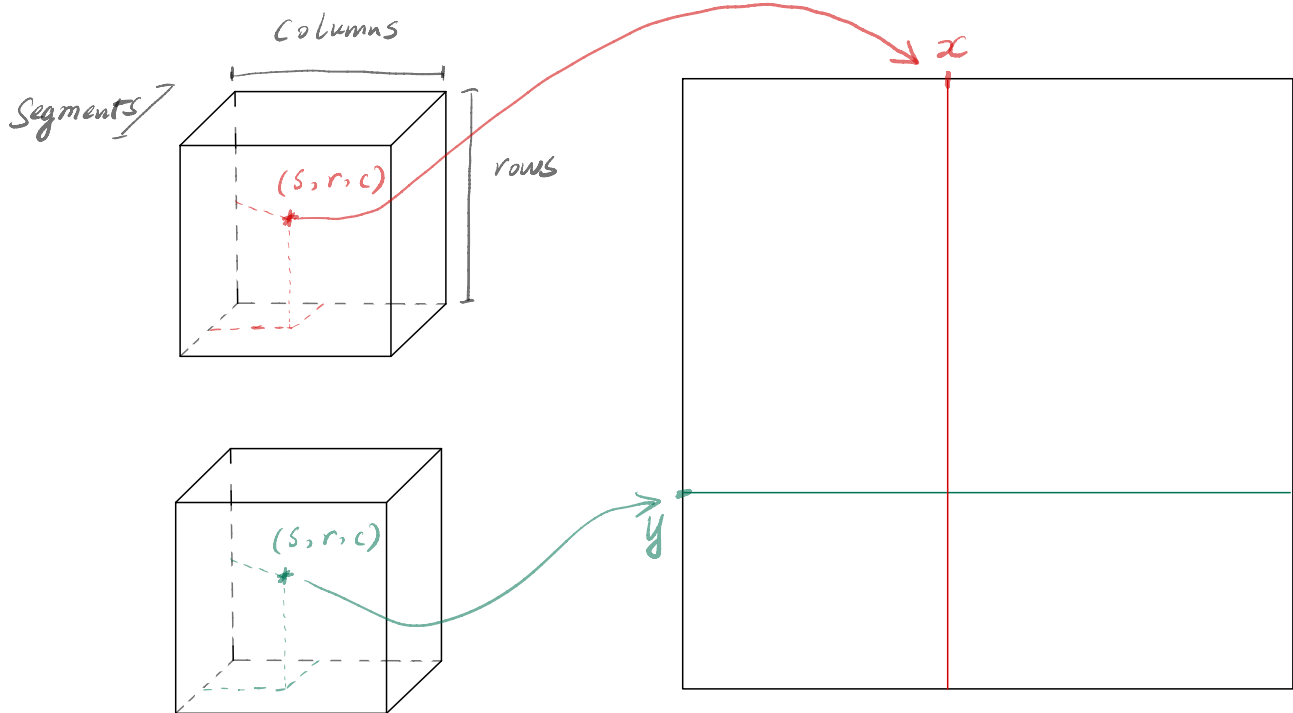


$$\text{look-up} : (s, r, c) \rightarrow (x, y)$$



$$s, y, x = s, r, c$$

$$\text{cheetah\_geom\_dict}[\text{panel}_i] \rightarrow x_{\min}, y_{\min}, x_{\max}, y_{\max}$$

```

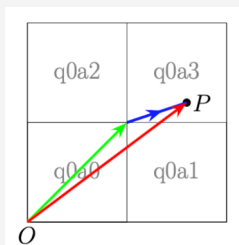
p0a0 : 0   0   191 175
p0a1 : 192 0   383 175
p0a2 : 0   176 191 351
p0a3 : 192 176 383 351
p1a0 : 0   352 191 527
p1a1 : 192 352 383 527
p1a2 : 0   528 191 703
p1a3 : 192 528 383 703
p2a0 : 0   704 191 879
p2a1 : 192 704 383 879
p2a2 : 0   880 191 1055

```

...

$$x = x + x_{\min}$$

$$y = y + y_{\min}$$



Data processing (CrystFEL)