$$\mathtt{col[z] = j}$$

$$y_i^{11}\ y_i^{12}\ y_i^{13}\ y_i^{14}$$
$$y_i^{21}\ y_i^{22}\ y_i^{23}\ y_i^{24}$$
$$y_i^{31}\ y_i^{32}\ y_i^{33}\ y_i^{34}$$
$$y_i^{41}\ y_i^{42}\ y_i^{43}\ y_i^{44}$$

$$=$$

$$\mathtt{A}_z^1\ \mathtt{A}_z^2\ \mathtt{A}_z^3\ \mathtt{A}_z^4$$

$$\mathtt{x}_j^1\ \mathtt{x}_j^2\ \mathtt{x}_j^3\ \mathtt{x}_j^4$$

y   A   x