$$egin{aligned} & p & \left(oldsymbol{v}_1 oldsymbol{v}_2
ight) = P \ & egin{aligned} & oldsymbol{x}_1^{ op} & \ & oldsymbol{x}_2^{ op} & \ & dots & \ & oldsymbol{x}_i^{ op} & \ & dots & \ & oldsymbol{x}_i^{ op} & \ & dots & \ & oldsymbol{x}_n^{ op} & \ \end{pmatrix} & oldsymbol{X} & oldsymbol{p} & n \ & \ddots & \ & oldsymbol{x}_n^{ op} & \ \end{pmatrix}$$