



$$\tilde{\pi}_1^{(3)} = (1, 2, 3)$$

$$\tilde{\pi}_2^{(3)} = (1, 3, 2)$$

$$\tilde{\pi}_3^{(3)} = (2, 1, 3)$$

$$\tilde{\pi}_4^{(3)} = (3, 1, 2)$$

$$\tilde{\pi}_5^{(3)} = (3, 2, 1)$$

$$\tilde{\pi}_6^{(3)} = (2, 3, 1)$$