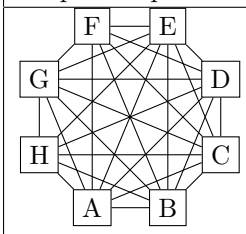
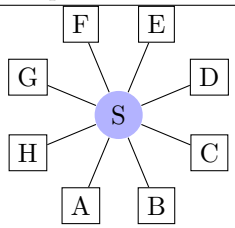
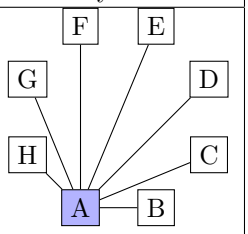
peer to peer	open standard	industry standard
		
$n^2/2$ translations symmetric	$2n$ translations symmetric	$2n-2$ translations asymmetric