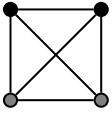
genes from 1^{st} individual

genes from 2^{nd} individual



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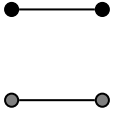

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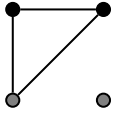

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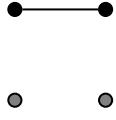
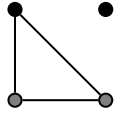
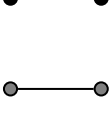


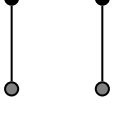
S_4



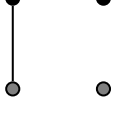
S_5



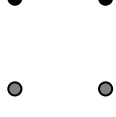
S_6



S_7



S_8



S_9