

Листинг 1: Функция нахождения расстояния Дameraу-Левенштейна итеративно

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1 |l1 = len(s1)
2 |l2 = len(s2)
3 for i in range(l1 + 1):
4     matr[i][0]
5 for i in range(l2 + 1):
6     matr[0][i]
7 for i in range(1, l1 + 1):
8     for j in range(1, l2 + 1):
9         opt4 = math.inf
10        opt1 = matr[i][j - 1] + 1
11        opt2 = matr[i - 1][j] + 1
12        opt3 = matr[i - 1][j - 1] + (0 if s1[i - 1] == s2[j - 1] else 1)
13        if i > 1 and j > 1 and s1[i - 2] == s2[j - 1] and s1[i - 1] == s2[j - 2]:
14            opt4 = matr[i - 2][j - 2] + 1
15        matr[i][j] = min(opt1, opt2, opt3, opt4)
16 res = matr[l1][l2]

```

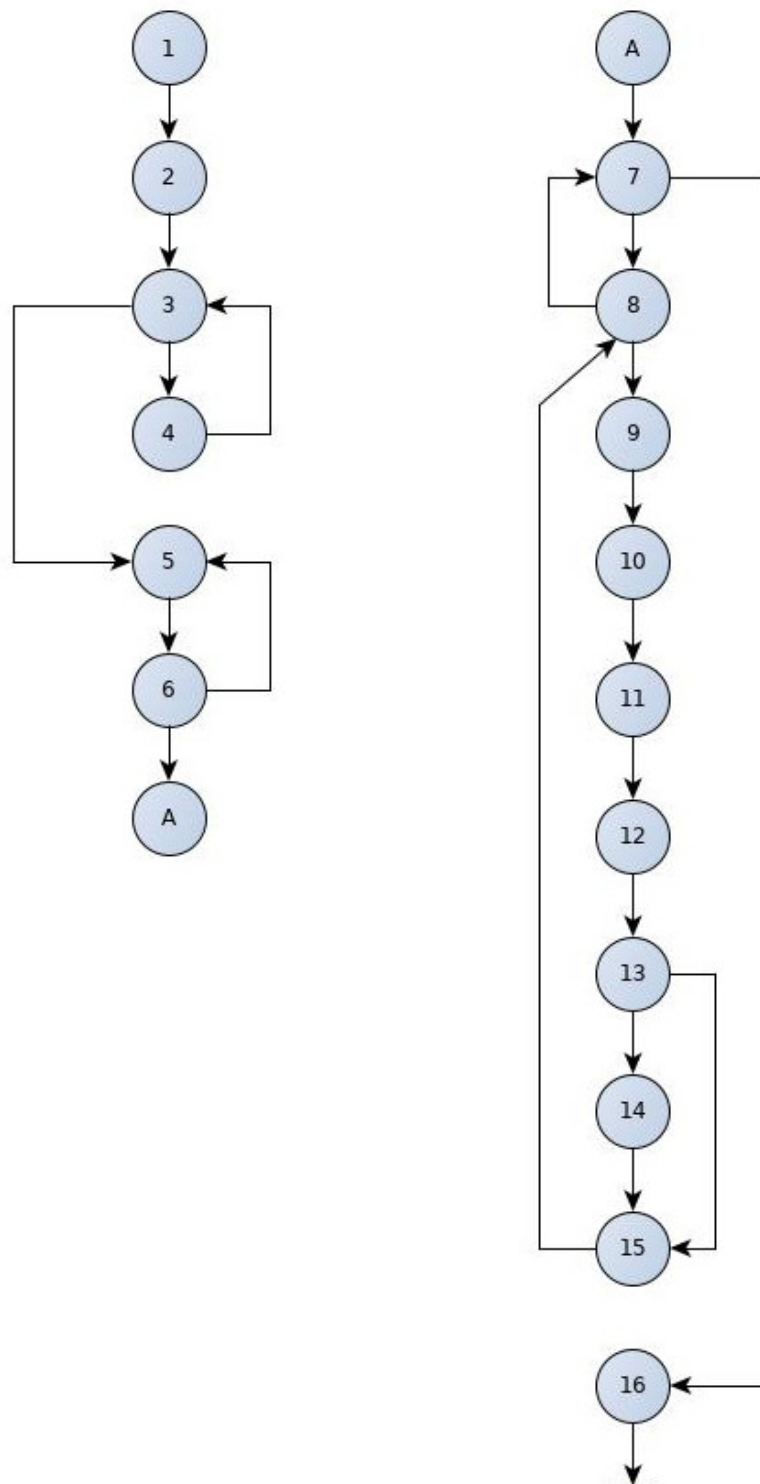


Рис. 1: ОГ

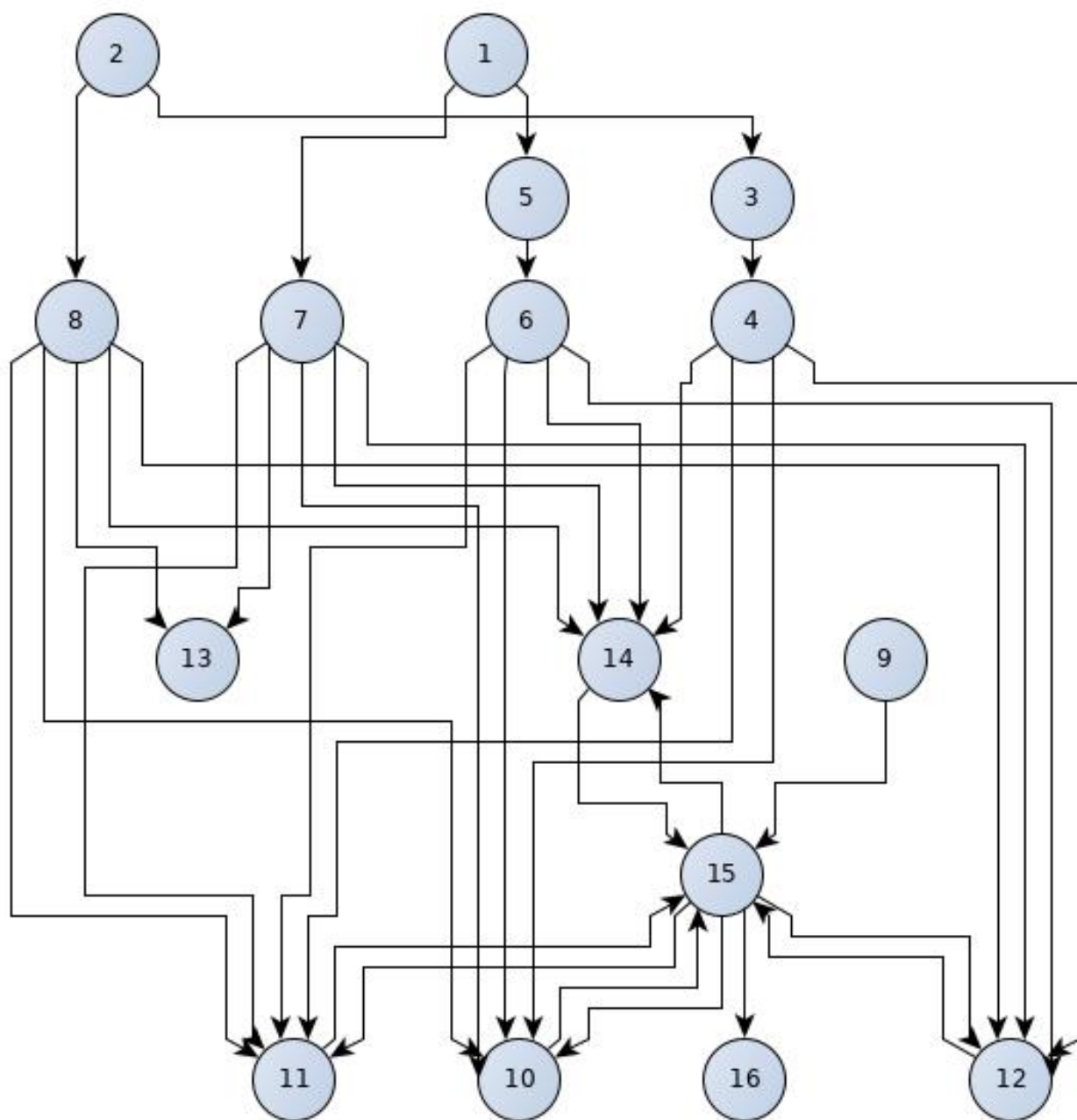


Рис. 2: ИГ

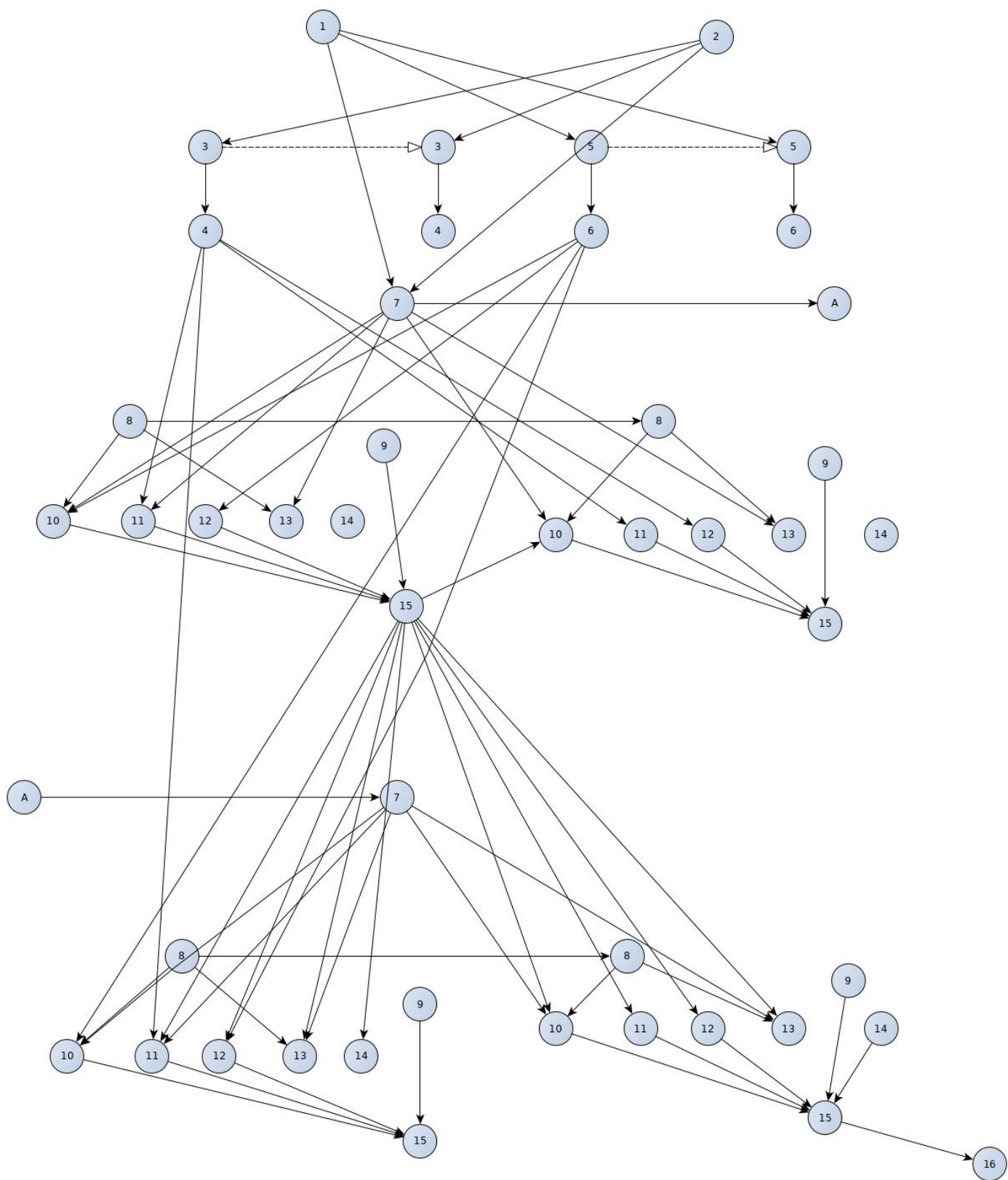


Рис. 4: ИИ