Starting from calling buildBDD(g9, 1, false), the steps of building BDD can be shown in the following graph:

```
buildBDD(g9, 1){
    build(g8, 1){
        witnessBDD(g8, 1){
            A = buildBDD(g4, 1){
                buildBDD(c, 1)
                buildBDD(g1, 1){
                    buildBDD(b, 1)
                    buildBDD(d, 1)
                }
            }
            B = buildBDD(g7, 0){
                witnessBDD(g7, 0){
                    A = buildBDD(g6, 0){
                        buildBDD(g2, 0){
                            witnessBDD(g2, 0){
                                A = buildBDD(e, 0)
                                B = buildBDD(~c, 1)
                                restrict(A, B)
                            }
                        }
                        buildBDD(d, 0)
                    }
                    B = buildBDD(g3, 1){
                        buildBDD(a, 1)
                        buildBDD(b, 1)
                    }
                    restrict(A, B)
                }
            }
            restrict(A, B)
        }
    }
    buildBDD(f, 1)
}
```

Thus, we have to apply restrict() function on **g2**, **g7** and **g8**. After the modification, the resulting BDD is:

```
[6](+) 0x563d1f2069c0 (1)
  [4](+) 0x563d1f206b10 (3)
    [3](+) 0x563d1f206ac0 (1)
      [2](+) 0x563d1f2058f0 (6)
        [0](+) 0x563d1f205990 (28)
        [0](-) 0x563d1f205990 (28) (*)
      [0](-) 0x563d1f205990 (28) (*)
    [0](-) 0x563d1f205990 (28) (*)
  [0](-) 0x563d1f205990 (28) (*)

⟹ Total #BddNodes : 5
```

Therefore, we can see that the BDD size is reduced compared to that in problem 6(a).