输出文件的格式为.txt，具体内容排列方式如下：

其中：unit1\_s\_0表示机组1在0时刻的状态；unit1\_p\_0表示机组1在0时刻的出力

以10机24时段规模某算例为例，输出如下：

# Objective value XXXX

unit1\_s\_0 1.0

unit1\_p\_0 30.0

unit1\_s\_1 0.0

unit1\_p\_1 0.0

unit1\_s\_2 0.0

unit1\_p\_2 0.0

unit1\_s\_3 1.0

unit1\_p\_3 30.0

unit1\_s\_4 1.0

unit1\_p\_4 30.0

unit1\_s\_5 1.0

unit1\_p\_5 30.0

unit1\_s\_6 1.0

unit1\_p\_6 30.0

unit1\_s\_7 1.0

unit1\_p\_7 30.0

unit1\_s\_8 1.0

unit1\_p\_8 30.0

unit1\_s\_9 1.0

unit1\_p\_9 30.0

unit1\_s\_10 1.0

unit1\_p\_10 30.0

unit1\_s\_11 1.0

unit1\_p\_11 30.0

unit1\_s\_12 1.0

unit1\_p\_12 30.0

unit1\_s\_13 1.0

unit1\_p\_13 30.0

unit1\_s\_14 1.0

unit1\_p\_14 30.0

unit1\_s\_15 1.0

unit1\_p\_15 30.0

unit1\_s\_16 1.0

unit1\_p\_16 30.0

unit1\_s\_17 1.0

unit1\_p\_17 30.0

unit1\_s\_18 1.0

unit1\_p\_18 30.0

unit1\_s\_19 1.0

unit1\_p\_19 30.0

unit1\_s\_20 1.0

unit1\_p\_20 30.0

unit1\_s\_21 1.0

unit1\_p\_21 30.0

unit1\_s\_22 1.0

unit1\_p\_22 30.0

unit1\_s\_23 0.0

unit1\_p\_23 0.0

unit2\_s\_0 1.0

unit2\_p\_0 30.0

unit2\_s\_1 0.0

unit2\_p\_1 0.0

unit2\_s\_2 0.0

unit2\_p\_2 0.0

unit2\_s\_3 1.0

unit2\_p\_3 30.0

unit2\_s\_4 1.0

unit2\_p\_4 30.0

unit2\_s\_5 1.0

unit2\_p\_5 30.0

unit2\_s\_6 1.0

unit2\_p\_6 30.0

unit2\_s\_7 1.0

unit2\_p\_7 30.0

unit2\_s\_8 1.0

unit2\_p\_8 30.0

unit2\_s\_9 1.0

unit2\_p\_9 30.0

unit2\_s\_10 1.0

unit2\_p\_10 30.0

unit2\_s\_11 1.0

unit2\_p\_11 30.0

unit2\_s\_12 1.0

unit2\_p\_12 30.0

unit2\_s\_13 1.0

unit2\_p\_13 30.0

unit2\_s\_14 1.0

unit2\_p\_14 30.0

unit2\_s\_15 1.0

unit2\_p\_15 30.0

unit2\_s\_16 1.0

unit2\_p\_16 30.0

unit2\_s\_17 1.0

unit2\_p\_17 30.0

unit2\_s\_18 1.0

unit2\_p\_18 30.0

unit2\_s\_19 1.0

unit2\_p\_19 30.0

unit2\_s\_20 1.0

unit2\_p\_20 30.0

unit2\_s\_21 1.0

unit2\_p\_21 30.0

unit2\_s\_22 1.0

unit2\_p\_22 30.0

unit2\_s\_23 0.0

unit2\_p\_23 0.0

unit3\_s\_0 0.0

unit3\_p\_0 0.0

unit3\_s\_1 0.0

unit3\_p\_1 0.0

unit3\_s\_2 0.0

unit3\_p\_2 0.0

unit3\_s\_3 0.0

unit3\_p\_3 0.0

unit3\_s\_4 -0.0

unit3\_p\_4 0.0

unit3\_s\_5 -0.0

unit3\_p\_5 0.0

unit3\_s\_6 -0.0

unit3\_p\_6 0.0

unit3\_s\_7 1.0

unit3\_p\_7 30.0

unit3\_s\_8 1.0

unit3\_p\_8 30.0

unit3\_s\_9 1.0

unit3\_p\_9 30.0

unit3\_s\_10 1.0

unit3\_p\_10 30.0

unit3\_s\_11 1.0

unit3\_p\_11 30.0

unit3\_s\_12 1.0

unit3\_p\_12 30.0

unit3\_s\_13 1.0

unit3\_p\_13 30.0

unit3\_s\_14 1.0

unit3\_p\_14 30.0

unit3\_s\_15 1.0

unit3\_p\_15 30.0

unit3\_s\_16 1.0

unit3\_p\_16 30.0

unit3\_s\_17 1.0

unit3\_p\_17 30.0

unit3\_s\_18 1.0

unit3\_p\_18 30.0

unit3\_s\_19 1.0

unit3\_p\_19 30.0

unit3\_s\_20 1.0

unit3\_p\_20 30.0

unit3\_s\_21 1.0

unit3\_p\_21 30.0

unit3\_s\_22 1.0

unit3\_p\_22 30.0

unit3\_s\_23 0.0

unit3\_p\_23 0.0

unit4\_s\_0 1.0

unit4\_p\_0 500.0

unit4\_s\_1 1.0

unit4\_p\_1 500.0

unit4\_s\_2 1.0

unit4\_p\_2 500.0

unit4\_s\_3 1.0

unit4\_p\_3 500.0

unit4\_s\_4 1.0

unit4\_p\_4 500.0

unit4\_s\_5 1.0

unit4\_p\_5 500.0

unit4\_s\_6 1.0

unit4\_p\_6 500.0

unit4\_s\_7 1.0

unit4\_p\_7 500.0

unit4\_s\_8 1.0

unit4\_p\_8 500.0

unit4\_s\_9 1.0

unit4\_p\_9 500.0

unit4\_s\_10 1.0

unit4\_p\_10 500.0

unit4\_s\_11 1.0

unit4\_p\_11 500.0

unit4\_s\_12 1.0

unit4\_p\_12 500.0

unit4\_s\_13 1.0

unit4\_p\_13 500.0

unit4\_s\_14 1.0

unit4\_p\_14 500.0

unit4\_s\_15 1.0

unit4\_p\_15 500.0

unit4\_s\_16 1.0

unit4\_p\_16 500.0

unit4\_s\_17 1.0

unit4\_p\_17 500.0

unit4\_s\_18 1.0

unit4\_p\_18 500.0

unit4\_s\_19 1.0

unit4\_p\_19 500.0

unit4\_s\_20 1.0

unit4\_p\_20 500.0

unit4\_s\_21 1.0

unit4\_p\_21 500.0

unit4\_s\_22 1.0

unit4\_p\_22 500.0

unit4\_s\_23 1.0

unit4\_p\_23 500.0

unit5\_s\_0 1.0

unit5\_p\_0 300.0

unit5\_s\_1 1.0

unit5\_p\_1 300.0

unit5\_s\_2 1.0

unit5\_p\_2 300.0

unit5\_s\_3 1.0

unit5\_p\_3 300.0

unit5\_s\_4 1.0

unit5\_p\_4 300.0

unit5\_s\_5 1.0

unit5\_p\_5 300.0

unit5\_s\_6 1.0

unit5\_p\_6 300.0

unit5\_s\_7 1.0

unit5\_p\_7 300.0

unit5\_s\_8 1.0

unit5\_p\_8 300.0

unit5\_s\_9 1.0

unit5\_p\_9 300.0

unit5\_s\_10 1.0

unit5\_p\_10 300.0

unit5\_s\_11 1.0

unit5\_p\_11 300.0

unit5\_s\_12 1.0

unit5\_p\_12 300.0

unit5\_s\_13 1.0

unit5\_p\_13 300.0

unit5\_s\_14 1.0

unit5\_p\_14 300.0

unit5\_s\_15 1.0

unit5\_p\_15 300.0

unit5\_s\_16 1.0

unit5\_p\_16 300.0

unit5\_s\_17 1.0

unit5\_p\_17 300.0

unit5\_s\_18 1.0

unit5\_p\_18 300.0

unit5\_s\_19 1.0

unit5\_p\_19 300.0

unit5\_s\_20 1.0

unit5\_p\_20 300.0

unit5\_s\_21 1.0

unit5\_p\_21 300.0

unit5\_s\_22 1.0

unit5\_p\_22 300.0

unit5\_s\_23 1.0

unit5\_p\_23 300.0

unit6\_s\_0 0.0

unit6\_p\_0 0.0

unit6\_s\_1 0.0

unit6\_p\_1 0.0

unit6\_s\_2 0.0

unit6\_p\_2 0.0

unit6\_s\_3 1.0

unit6\_p\_3 26.0

unit6\_s\_4 1.0

unit6\_p\_4 26.0

unit6\_s\_5 1.0

unit6\_p\_5 26.0

unit6\_s\_6 1.0

unit6\_p\_6 26.0

unit6\_s\_7 1.0

unit6\_p\_7 26.0

unit6\_s\_8 1.0

unit6\_p\_8 30.0

unit6\_s\_9 1.0

unit6\_p\_9 30.0

unit6\_s\_10 1.0

unit6\_p\_10 26.0

unit6\_s\_11 1.0

unit6\_p\_11 30.0

unit6\_s\_12 1.0

unit6\_p\_12 30.0

unit6\_s\_13 1.0

unit6\_p\_13 26.0

unit6\_s\_14 1.0

unit6\_p\_14 26.0

unit6\_s\_15 1.0

unit6\_p\_15 26.0

unit6\_s\_16 1.0

unit6\_p\_16 26.0

unit6\_s\_17 1.0

unit6\_p\_17 30.0

unit6\_s\_18 1.0

unit6\_p\_18 26.0

unit6\_s\_19 1.0

unit6\_p\_19 30.0

unit6\_s\_20 1.0

unit6\_p\_20 30.0

unit6\_s\_21 1.0

unit6\_p\_21 26.0

unit6\_s\_22 1.0

unit6\_p\_22 26.0

unit6\_s\_23 0.0

unit6\_p\_23 0.0

unit7\_s\_0 1.0

unit7\_p\_0 100.0

unit7\_s\_1 1.0

unit7\_p\_1 70.0

unit7\_s\_2 1.0

unit7\_p\_2 100.0

unit7\_s\_3 1.0

unit7\_p\_3 100.0

unit7\_s\_4 1.0

unit7\_p\_4 100.0

unit7\_s\_5 1.0

unit7\_p\_5 100.0

unit7\_s\_6 1.0

unit7\_p\_6 100.0

unit7\_s\_7 1.0

unit7\_p\_7 100.0

unit7\_s\_8 1.0

unit7\_p\_8 100.0

unit7\_s\_9 1.0

unit7\_p\_9 100.0

unit7\_s\_10 1.0

unit7\_p\_10 100.0

unit7\_s\_11 1.0

unit7\_p\_11 100.0

unit7\_s\_12 1.0

unit7\_p\_12 100.0

unit7\_s\_13 1.0

unit7\_p\_13 100.0

unit7\_s\_14 1.0

unit7\_p\_14 100.0

unit7\_s\_15 1.0

unit7\_p\_15 100.0

unit7\_s\_16 1.0

unit7\_p\_16 100.0

unit7\_s\_17 1.0

unit7\_p\_17 100.0

unit7\_s\_18 1.0

unit7\_p\_18 100.0

unit7\_s\_19 1.0

unit7\_p\_19 100.0

unit7\_s\_20 1.0

unit7\_p\_20 100.0

unit7\_s\_21 1.0

unit7\_p\_21 100.0

unit7\_s\_22 1.0

unit7\_p\_22 100.0

unit7\_s\_23 1.0

unit7\_p\_23 100.0

unit8\_s\_0 0.0

unit8\_p\_0 0.0

unit8\_s\_1 0.0

unit8\_p\_1 0.0

unit8\_s\_2 0.0

unit8\_p\_2 0.0

unit8\_s\_3 0.0

unit8\_p\_3 0.0

unit8\_s\_4 1.0

unit8\_p\_4 30.0

unit8\_s\_5 1.0

unit8\_p\_5 30.0

unit8\_s\_6 1.0

unit8\_p\_6 30.0

unit8\_s\_7 1.0

unit8\_p\_7 30.0

unit8\_s\_8 1.0

unit8\_p\_8 30.0

unit8\_s\_9 1.0

unit8\_p\_9 30.0

unit8\_s\_10 1.0

unit8\_p\_10 30.0

unit8\_s\_11 1.0

unit8\_p\_11 30.0

unit8\_s\_12 1.0

unit8\_p\_12 30.0

unit8\_s\_13 1.0

unit8\_p\_13 30.0

unit8\_s\_14 1.0

unit8\_p\_14 30.0

unit8\_s\_15 1.0

unit8\_p\_15 30.0

unit8\_s\_16 1.0

unit8\_p\_16 30.0

unit8\_s\_17 1.0

unit8\_p\_17 30.0

unit8\_s\_18 1.0

unit8\_p\_18 30.0

unit8\_s\_19 1.0

unit8\_p\_19 30.0

unit8\_s\_20 1.0

unit8\_p\_20 30.0

unit8\_s\_21 1.0

unit8\_p\_21 30.0

unit8\_s\_22 1.0

unit8\_p\_22 30.0

unit8\_s\_23 0.0

unit8\_p\_23 0.0

unit9\_s\_0 -0.0

unit9\_p\_0 0.0

unit9\_s\_1 -0.0

unit9\_p\_1 0.0

unit9\_s\_2 -0.0

unit9\_p\_2 0.0

unit9\_s\_3 1.0

unit9\_p\_3 30.0

unit9\_s\_4 1.0

unit9\_p\_4 30.0

unit9\_s\_5 1.0

unit9\_p\_5 30.0

unit9\_s\_6 1.0

unit9\_p\_6 30.0

unit9\_s\_7 1.0

unit9\_p\_7 30.0

unit9\_s\_8 1.0

unit9\_p\_8 30.0

unit9\_s\_9 1.0

unit9\_p\_9 30.0

unit9\_s\_10 1.0

unit9\_p\_10 30.0

unit9\_s\_11 1.0

unit9\_p\_11 30.0

unit9\_s\_12 1.0

unit9\_p\_12 30.0

unit9\_s\_13 1.0

unit9\_p\_13 30.0

unit9\_s\_14 1.0

unit9\_p\_14 30.0

unit9\_s\_15 1.0

unit9\_p\_15 30.0

unit9\_s\_16 1.0

unit9\_p\_16 30.0

unit9\_s\_17 1.0

unit9\_p\_17 30.0

unit9\_s\_18 1.0

unit9\_p\_18 30.0

unit9\_s\_19 1.0

unit9\_p\_19 30.0

unit9\_s\_20 1.0

unit9\_p\_20 30.0

unit9\_s\_21 1.0

unit9\_p\_21 30.0

unit9\_s\_22 1.0

unit9\_p\_22 30.0

unit9\_s\_23 1.0

unit9\_p\_23 30.0

unit10\_s\_0 1.0

unit10\_p\_0 300.0

unit10\_s\_1 1.0

unit10\_p\_1 300.0

unit10\_s\_2 1.0

unit10\_p\_2 300.0

unit10\_s\_3 1.0

unit10\_p\_3 300.0

unit10\_s\_4 1.0

unit10\_p\_4 300.0

unit10\_s\_5 1.0

unit10\_p\_5 300.0

unit10\_s\_6 1.0

unit10\_p\_6 300.0

unit10\_s\_7 1.0

unit10\_p\_7 300.0

unit10\_s\_8 1.0

unit10\_p\_8 300.0

unit10\_s\_9 1.0

unit10\_p\_9 300.0

unit10\_s\_10 1.0

unit10\_p\_10 300.0

unit10\_s\_11 1.0

unit10\_p\_11 300.0

unit10\_s\_12 1.0

unit10\_p\_12 300.0

unit10\_s\_13 1.0

unit10\_p\_13 300.0

unit10\_s\_14 1.0

unit10\_p\_14 300.0

unit10\_s\_15 1.0

unit10\_p\_15 300.0

unit10\_s\_16 1.0

unit10\_p\_16 300.0

unit10\_s\_17 1.0

unit10\_p\_17 300.0

unit10\_s\_18 1.0

unit10\_p\_18 300.0

unit10\_s\_19 1.0

unit10\_p\_19 300.0

unit10\_s\_20 1.0

unit10\_p\_20 300.0

unit10\_s\_21 1.0

unit10\_p\_21 300.0

unit10\_s\_22 1.0

unit10\_p\_22 300.0

unit10\_s\_23 1.0

unit10\_p\_23 300.0