```
Greedy- Fractional-Knapsaer (w, u, w)
    fore i= o ton.
                             initialization.
        do 2 [1] = 0
           weight = 0
           value = 0.
4.
5. while weight < W.
         do i= best remaining
6.
             if weight + woi] < W
7.
                    them occij=1.
                         weight = weight + wci]
8.
                          value = value + v [i]
9.
                    æci] = (w-weight)/wci]
10.
                   weight = weight + wri] * xri]
balle = value + vri] * xri].
h.
12.
```

14. Letuen value.

13.

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$$\omega = 30$$
.

$$\omega = 30$$
. Fractional. $\alpha = (W - \omega)/\omega$

$$19 = 120$$
.

Item weight out
$$0i/\omega_1$$
.

1 10 60 $6\%_0 = 6$

2 20 $100 \frac{100}{30} = 5$

3. 30 $120 \cdot \frac{120}{30} = 4$

ems. W = 60 jul- (5,10,20,30,40) (Kuahzont (80, 20, 100, 90, 160) capasity) oame

- descresing value.
- 5/6.
- 2 Increasing weights >
 3 decreasing order of vi/wi

entered
$$\frac{1}{2}$$
 $00i = [W - Wi / Wi]$
 $\frac{35}{4}$
 $\frac{30}{4}$
 $\frac{30}{4}$
 $\frac{30}{4}$
 $\frac{30}{4}$
 $\frac{30}{4}$
 $\frac{30}{4}$
 $\frac{30}{4}$
 $\frac{30}{4}$
 $\frac{30}{4}$
 $\frac{30}{4}$