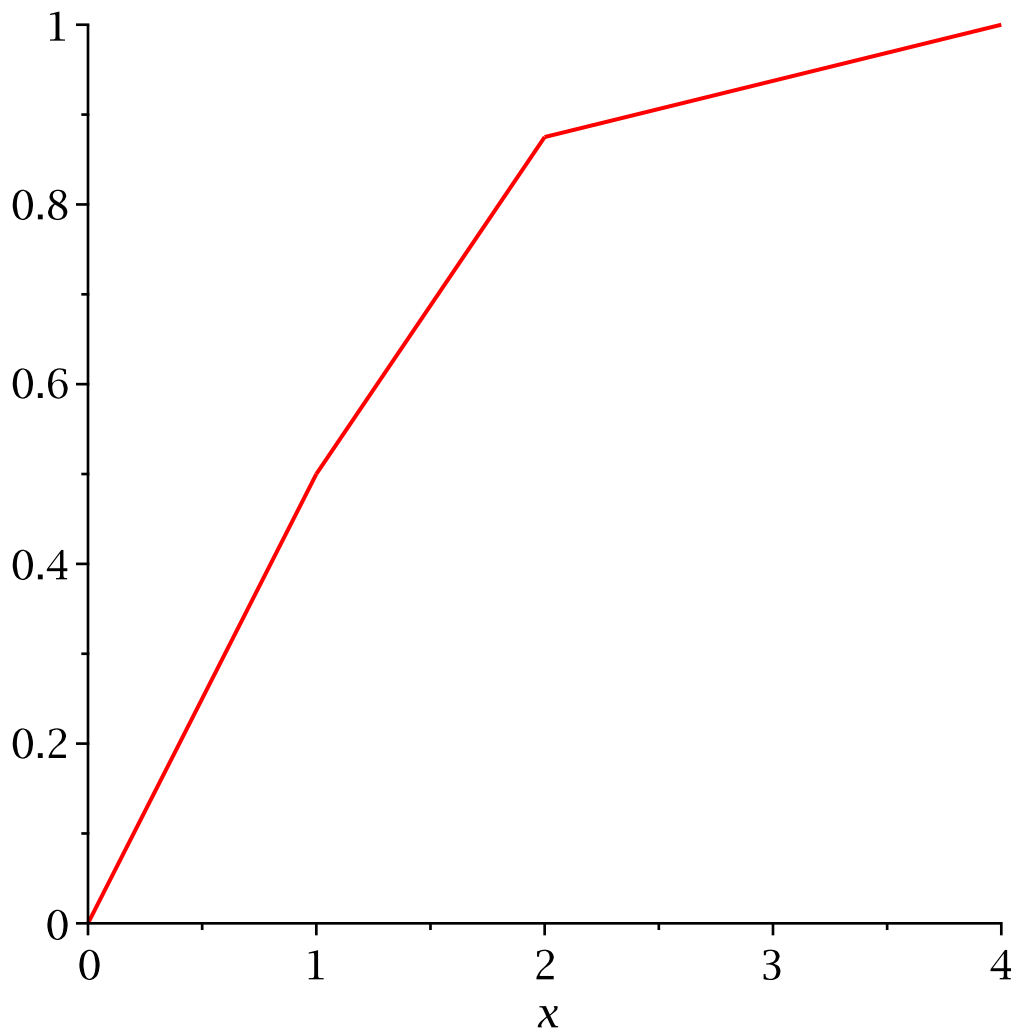


```
[> with(plots):
```

```
[kawalkami wykres F
```

```
> d1:=plot(1/2*x,x=0..1,color='red'):
  d2:=plot(3/8*x+1/8,x=1..2,color='red'):
  d3:=plot(1/16*x+3/4,x=2..4, color='red'):
```

```
> display(d1,d2,d3)
```



```
[F1, F2, F3 -- dystrybuanty 3 rozkladow:
```

```
F1 = U(0,1)
```

```
F2 = U(1,2)
```

```
F3 = U(2,4)
```

```
> F1:=x->piecewise(x<=0,0, x<=1,x, x>1, 1):
```

```
>
```

```
> F2:=x->piecewise(x<=1,0, x<=2,x-1, x>2, 1):
```

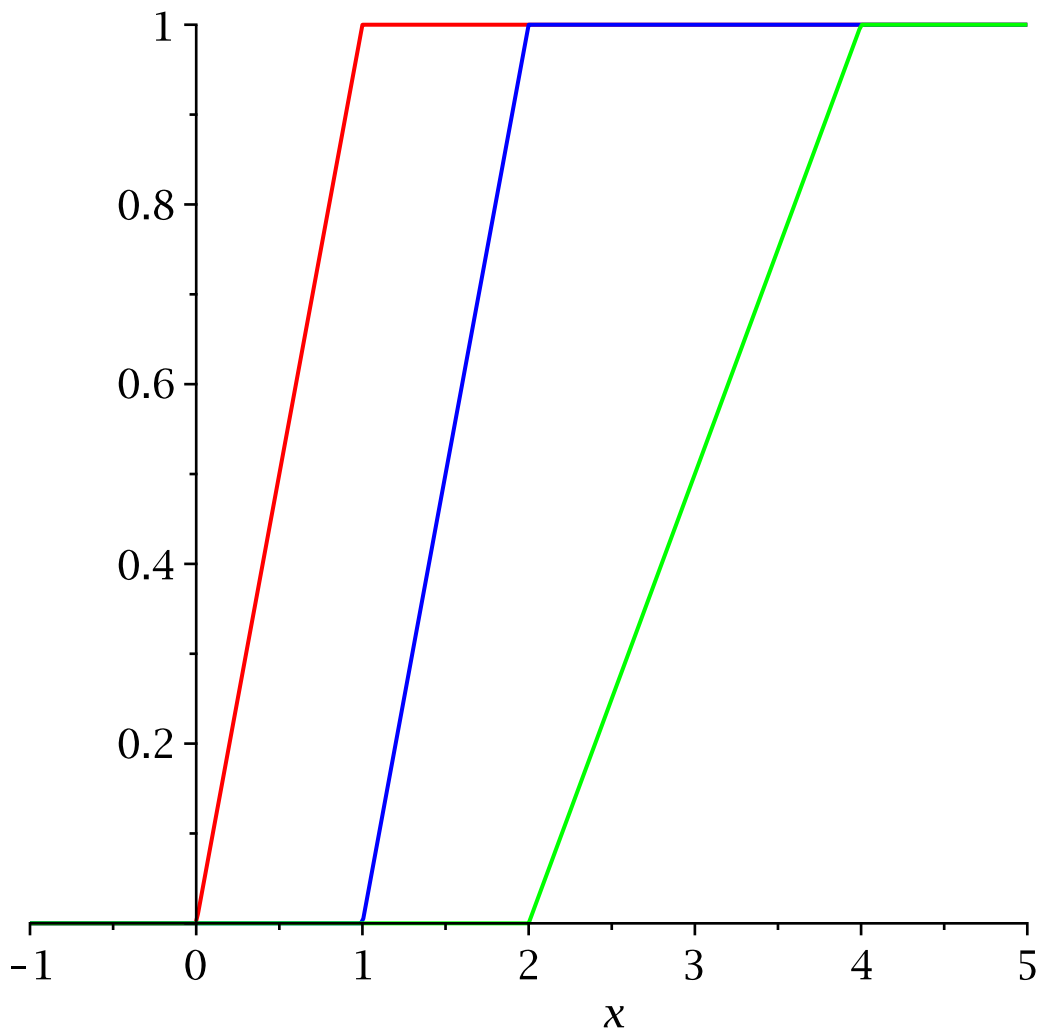
```
> F3:=x->piecewise(x<=2,0, x<=4,1/2*x-1, x>4, 1):
```

ich wykresy

```
> dF1:=plot(F1(x),x=-1..5,color='red');  
dF2:=plot(F2(x),x=-1..5,color='blue');  
dF3:=plot(F3(x),x=-1..5,color='green');
```

F1, F2, F3 na jednym obrazku:

```
> display(dF1,dF2,dF3);
```

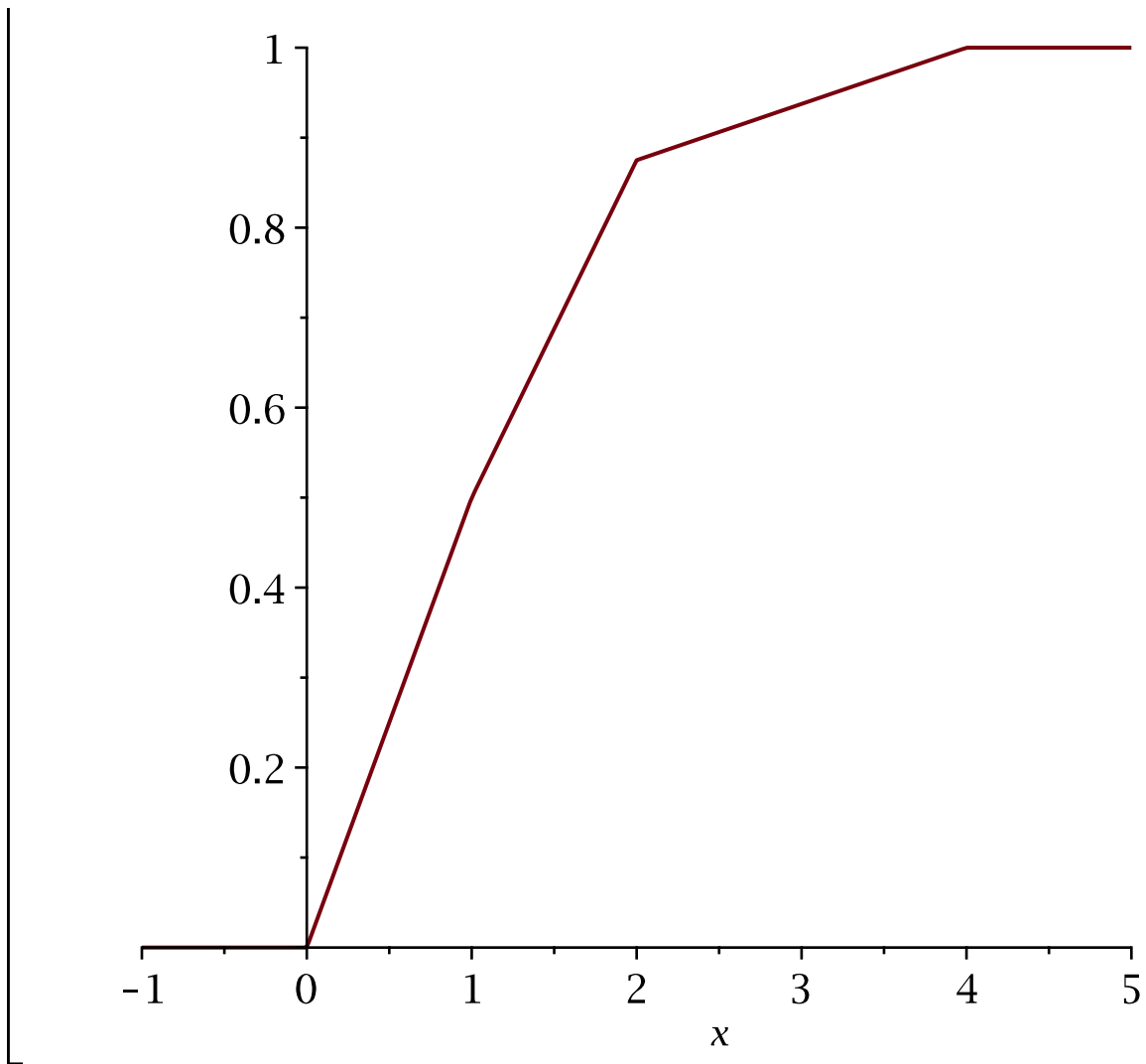


F = suma F1,F2,F3 z wagami (to de facto trzeba bylo "wydobyc" z zadania)

```
> F:=x->1/2*F1(x)+3/8*F2(x)+1/8*F3(x);  
F:=x->1/2 F1(x) + 3/8 F2(x) + 1/8 F3(x)
```

(1)

```
> dF:=plot(F(x),x=-1..5);
```



[wykres dF oraz początkowych d1,d2,d3 (wszystko powinno się nakładać)
> **display(d1,d2,d3,dF)**

