

1000	fd,01,01,13	add sp,sp,-48
1004	02,11,26,23	sw ra,44(sp)
1008	06,60,07,93	li a5,102
1012	00,f1,2a,23	sw a5,20(sp)
1016	00,a0,07,93	li a5,10
1020	00,f1,2c,23	sw a5,24(sp)
1024	06,50,07,93	li a5,101
1028	00,f1,26,23	sw a5,12(sp)
1032	00,f0,07,93	li a5,15
1036	00,f1,28,23	sw a5,16(sp)
1040	00,c1,07,13	add a4,sp,12
1044	01,41,07,93	add a5,sp,20
1048	00,07,05,93	mv a1,a4
1052	00,07,85,13	mv a0,a5
1056	01,c0,00,ef	jal 1084
1060	00,a1,2e,23	sw a0,28(sp)
1064	01,c1,27,83	lw a5,28(sp)
1068	00,07,85,13	mv a0,a5
1072	02,c1,20,83	lw ra,44(sp)
1076	03,01,01,13	add sp,sp,48
1080	00,00,00,67	ret
1084	fe,01,01,13	add sp,sp,-32
1088	00,a1,26,23	sw a0,12(sp)
1092	00,b1,24,23	sw a1,8(sp)
1096	00,c1,27,83	lw a5,12(sp)
1100	00,47,a7,83	lw a5,4(a5)
1104	00,f1,2e,23	sw a5,28(sp)
1108	00,81,27,83	lw a_,_____
1112	00,47,a7,83	lw a_,_____
1116	00,f1,2c,23	sw a5,_____
1120	01,c1,27,83	lw a4,28(sp)
1124	01,81,27,83	lw a5,24(sp)
1128	00,f7,07,b3	add a5,a4,a5
1132	00,f1,2a,23	sw a5,20(sp)
1136	01,41,27,83	lw a5,20(sp)
1140	00,07,85,13	mv a0,a5
1144	02,01,01,13	add sp,sp,32
1148	00,00,00,67	ret
1152	00,00,00,00	
1156	00,00,00,00	
1160	00,00,00,00	
1164	00,00,00,00	
1168	00,00,00,00	
1172	00,00,00,00	
1176	00,00,00,00	
1180	00,00,00,00	
1184	00,00,00,00	
1188	00,00,00,00	

```

typedef struct {
    char name[4];
    int price;
} part;

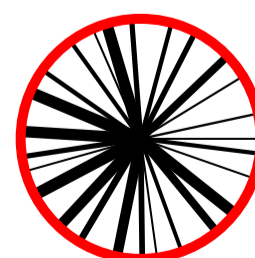
int main(void) {
    part p1 = {"f", 10};
    part p2 = {"e", 15};

    int total = cost(&p1,&p2);

    return total;
}

int cost(part *a, part *b) {
    int ap = a->price;
    int bp = b->price;
    int r = ap + bp;
    return r;
}

```



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