Reverse Offloading Example

Print – debugging :-)… imagine… face detection...

```
…
#pragma oss task device(smp) in([1]num)
void reverse_print(double *num) {
        printf("FPGA num %lf\n", *num);
}

#pragma oss task device(fpga) out([1]src)
inout([1]dst)
void bar(const double *src, double *dst){
        *dst += *src;
}
int main() {
        double src = 1.0;
        double dst = 2.0;
        printf("Start: src %lf dst %lf\n", src, dst);
        foo(&src, &dst);
        #pragma oss taskwait
        printf("End: src %lf dst %lf\n", src, dst);
        return 0;
}
```

```
…
#pragma oss task device(fpga) out([1]src)
inout([1]dst)
void foo(const double *src, double *dst) {
        reverse_print(dst);
        #pragma oss taskwait
        unsigned i;
        for (i = 0; i < 2; i++) {
                bar(src, dst);
                #pragma oss taskwait
                reverse_print(dst);
                #pragma oss taskwait
        }
}
```

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