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(*
 TASK : Bac TP 2016 (nombre unitairement parfait)
 LANG : Free Pascal
*)


procedure unitParf(var a, b: byte);
begin
        repeat
                write('a = ');
                read(a);
                write('b = ');
                read(b);
        until (a >= 2) and (b <= 100) and (b >= a);
end;


function test_primalite(p, k: byte): boolean;
begin
        while p <> k do
                if p > k then
                        p := p - k
                else
                        k := k - p;

        test_primalite := p = 1;
end;

procedure afficher(a, b: byte);
var
        n, d, s: byte;
begin
        for n := a to b do begin
                s := 0;
                for d := 1 to n div 2 do
                        if n mod d = 0 then
                                if test_primalite(d, n div d) then s := s + d;

                if s = n then write(n, ' ');
        end;
end;

//P.P.
var
        a, b: byte;
BEGIN
        unitParf(a,b);
        afficher(a, b);
END.
```