```
program MatrixMul(Input,Output);
  { Program 6.3 - Matrix Multiplication }
  const
    M = 4;  P = 3;  N = 2;
  var
    I: 1..M;
    J: 1..N;
    K: 1..P;
    Sum, Element: Integer;
    A: array [1..M, 1..P] of Integer;
    B: array [1..P, 1..N] of Integer;
    C: array [1..M, 1..N] of Integer;
begin  { Assign initial values to A and B: }
  for I := 1 to M do begin
    for K := 1 to P do begin
      Read(Input,Element);
      Write(Output,Element);
      A[I,K] := Element
    end;
    Writeln(Output)
  end;
  Writeln(Output);
  for K := 1 to P do begin
    for J := 1 to N do begin
      Read(Input,Element);
      Write(Output,Element);
      B[K,J] := Element
    end;
    Writeln(Output)
  end;
  Writeln(Output);
  { Multiply A and B to get C: }
  for I := 1 to M do begin
    for J := 1 to N do begin
      Sum := 0;
      for K := 1 to P do
        Sum := Sum + A[I,K] * B[K,J];
      C[I,J] := Sum;  Write(Output,Sum)
    end;
    Writeln(Output)
  end;
  Writeln(Output)
end .
```