

```

do i1=1,4
  j(1)=i1
  do i2=1,4
    j(2)=i2
    do i3=1,4
      j(3)=i3
      do i4=1,4
        j(4)=i4
        if (j(1) .eq. j(2) .or. j(1) .eq. j(3) .or. j(1) .eq. j(4)) cycle
        if (j(2) .eq. j(3) .or. j(2) .eq. j(4)) cycle
        if (j(3) .eq. j(4)) cycle
        print* j(1),j(2),j(3),j(4)
      end do
    end do
  end do
end do

```

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