NAME: AMISHA USN: IRVITCS 017 program 4 : write a Ryogram to convert rowing to Black & write image #unclude (stdio. h) # Include / mach . ever. h> # unclude Lgd oh> #include (string. h) # unclude (omp. h) unt main (unt argo, char ** argv) é FILE * 5p , * 5p1 = 203; gd9magePtor ung: char iname[15], oname[15]; unt color, x, y, i=0, vied, grein, blue, tmp; long wohi omp-sched-t def-sched; emp-get-schedule(2 dy-sched, 2 def-chunk-size); puint ("Defautt 10d 1/d/n", rdef-sched, def-chunk-size);
puint ("Sizert It Defautt It It states It It Dynamic It It for lint i=1, i (35; i++) 2 specients (iname, "inº1-d.png", 1); for wint sched = 0x0; sched = 0x3; sched++)& fp = fopen (iname, " 2"); sperints (mame, "Dutput 1.d.1.d.png", i, sched); ing = gd&mageculateFromPrg(fp); w = gd&magesx (ing); h= gd&mageSY (img); if (schid=0x0) & peurit (" 1/2d x/2d/t/t", we, h); emp-set-schedule (sched, O); def-chunk-size); onep-set-schedule(sched, D); else double t = omp-get-winel), #peragma omp parallel for perinately color,

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for (x=0; x cyw; x++)
   forly=0; y(h; ytt) 2
     color = gd magelyet Risel (img, se, y);
      sud = gdmageRed (img. rolor);
      genen = gdæmageljenen (img, color);
      blue = gd&mageRue (ingocolor);
      tmp= (red+green+blue) 13,°
       color = igdmagecolor silocate ling, old, igleen
       gdemageset Riselling, se, y, color),
   t = omp-get_wtime()-t;
    fp1 = fopen (oname, ""),
    gd9mageprg(vimp, fp1);
     fclose(fp2);
    gd Image Destroy (imp)
     puints ("1.65(t",t);
   pointfor \n");
  octurn 0;
```