

```

data written;
  input id premium effdate date8. expdate date8.;
  format effdate ddmmyy10. expdate ddmmyy10.;
DATALINES;
1 100.50 15FEB92 16FEB92
2 1200.02 15FEB92 19FEB93
3 600.00 14JAN91 10FEB93
4 500.00 14JUL91 10JUN95
5 250.50 31DEC92 1FEB93
;
RUN;

```

	id	premium	effdate	expdate
1	1	100.5	15/02/1992	16/02/1992
2	2	1200.02	15/02/1992	19/02/1993
3	3	600	14/01/1991	10/02/1993
4	4	500	14/07/1991	10/06/1995
5	5	250.5	31/12/1992	01/02/1993



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```

data testest;
set written;
FORMAT DEBUTEXERCICE ddmmyy10.
      FINEXERCICE ddmmyy10.
      DER BEST12.;
numby = intck( 'year', effdate, expdate ) + 1;
do i = 1 to (numby);
      DEBUTEXERCICE = intnx( 'year' , effdate, i-1,'Begin');
      FINEXERCICE = intnx( 'year' , effdate, i-1,'END');
IF (effdate < DEBUTEXERCICE) AND (expdate < DEBUTEXERCICE)
      THEN DER = 0;

      IF (effdate > FINEXERCICE) AND (expdate > FINEXERCICE)
      THEN DER = 0;

      IF (effdate <= DEBUTEXERCICE) AND (expdate >= FINEXERCICE)
      THEN DER = (FINEXERCICE - DEBUTEXERCICE) + 1;

      IF (effdate < DEBUTEXERCICE) AND ((expdate >= DEBUTEXERCICE) AND (expdate <=
      FINEXERCICE))
      THEN DER = (expdate - DEBUTEXERCICE) + 1;

      IF (effdate >= DEBUTEXERCICE) AND (expdate <= FINEXERCICE)
      THEN DER = (expdate - effdate) + 1;

      IF ((effdate >= DEBUTEXERCICE) AND (effdate <= FINEXERCICE)) AND (expdate >
      FINEXERCICE)
      THEN DER = (FINEXERCICE - effdate) + 1;
      output;
end;
run;

```

	id	premium	effdate	expdate	DEBUTEXERCICE	FINEXERCICE	DER	numby	i
1	1	100.5	15/02/1992	16/02/1992	01/01/1992	31/12/1992	2	1	1
2	2	1200.02	15/02/1992	19/02/1993	01/01/1992	31/12/1992	321	2	1
3	2	1200.02	15/02/1992	19/02/1993	01/01/1993	31/12/1993	50	2	2
4	3	600	14/01/1991	10/02/1993	01/01/1991	31/12/1991	352	3	1
5	3	600	14/01/1991	10/02/1993	01/01/1992	31/12/1992	366	3	2
6	3	600	14/01/1991	10/02/1993	01/01/1993	31/12/1993	41	3	3
7	4	500	14/07/1991	10/06/1995	01/01/1991	31/12/1991	171	5	1
8	4	500	14/07/1991	10/06/1995	01/01/1992	31/12/1992	366	5	2
9	4	500	14/07/1991	10/06/1995	01/01/1993	31/12/1993	365	5	3
10	4	500	14/07/1991	10/06/1995	01/01/1994	31/12/1994	365	5	4
11	4	500	14/07/1991	10/06/1995	01/01/1995	31/12/1995	161	5	5



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```

PROC SQL;
create table fuad as
SELECT FINEXERCICE, SUM(DER*premium/(expdate-efdate+1)) AS earnedpremium
FROM TESTEP
GROUP BY FINEXERCICE;
QUIT;

```

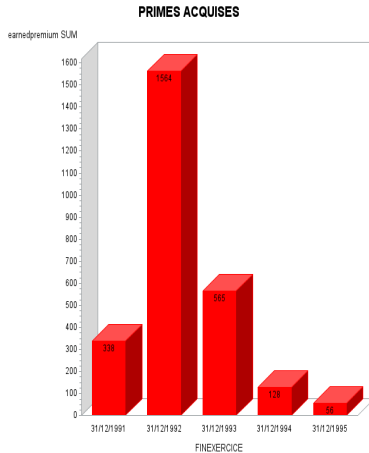
	FINEXERCICE	earnedpremium
1	31/12/1991	338.13481915
2	31/12/1992	1563.86247
3	31/12/1993	564.84904135
4	31/12/1994	127.80112045
5	31/12/1995	56.37254902



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```
goptions reset=all;
goptions colors=(red);
proc gchart data=fuad;
title1'PRIMES ACQUIRES';
vbar3d FINEXERCICE / discrete inside=sum sumvar=earnedpremium;
run;
```

```
quit;
```



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