A = } (-0,2]; x = 1R4, olas àlat.  $\forall A \in A: \int_A f_X dX = \mathcal{U}_X(A)$  of home. 写五: 4AER: SAfxdX=从xlA) 含气 生的. Thm: If A is TI-system, then l(A)=((A)) WTS:  $D = \{A : \int_{A} f_{\chi} d\lambda = M_{\chi}(A), A \in \mathcal{N}\}$ = 足. = ((人). 四部的人的人工的人人的是是明明中心 이에 NCR일은 당면 라르고, 이 기유일을 보이면 型中。 2月到,从外心的 ① X system 이子 日 在是智智地创 (Note Ais TI-system)  $\leq (A) = \mathcal{A}(A) = \mathcal{A} \cdot \mathcal{C} \mathcal{D}$ ··· **\*** : 11-> fhan.

图 91 发出起, 见口尺可到对此,"

Cheek 1. AZ 71-system. OIL. ACD oich

## Check 2. Don 2-system of Hard 3004 ?!

- 1. Re D
- 2. HABED such that ACB: B-AED.
- 3. VAIAMEN: An EN.
- 沙立: D= 3A: Safx dx=Mx(A), AERJ.
- 1.  $\int_{\mathbb{R}} f_x d\lambda = 1 = \mathcal{U}_x(\mathbb{R}).$
- 2. Fix ACB. AEW, BED.
  - B-AEW. SB-Afx 1x = Mx(B-A)
  - LHS = Spfxdx SAfxdx. (e4? B)A)
  - $= \mathcal{M}_{\times}(B) \mathcal{M}_{\times}(A) \quad (eH? A, B \in \mathcal{D})$
  - $= \mathcal{U}_{X}(B-A) \quad (ex)? \quad B > A)$
  - = RHS 1 2स्टा A,B र रश्चेय क्रेर
  - Selel ACB & A, BED ZHEMANS F. 19
    - 원의가 성당관로, 고는 체크막회.

3. Fix Ar, As … ed) S Ar, As … are disjoint. (土) Ar ed). 空間を対す。

 $\int_{\stackrel{\sim}{i=1}}^{\infty} A_i + \lambda d\lambda = M_{\lambda}(\stackrel{\sim}{i=1}^{i} A_i) \quad \text{with the properties.}$ 

LHS =  $\frac{2}{1-1} \int_{A_i} f_X d\lambda = \frac{2}{1-1} \mathcal{L}_X(A_i)$ =  $\mathcal{L}_X(\frac{2}{1-1} A_i) = \mathcal{L}_X(A_i)$ 

「…」日を日本 A., A., … ED R A., A., … orl Typel 所以計算 disjoint of Selel A., A., … orl Typel 所以計算 301 対程性犯し、

: 22 7-system.