· Ozemino A & D. pr (A'):= pr (Xn) A) = pr (Xn) - pr (A) = $= h \cdot m(X_n) - h \cdot m(A) = k \cdot m(X_n(A)) = : h \cdot m(A^c) \quad (va X_n) \quad \sqrt{toilu(a)} \quad def \cdot D.$ · Genino (Anla CD dig. pe (UAn)= & pr(An)= & be.m (An) = le.m (UAn)

pe men dg.D m men C) Demino sedaj A = BR. Jz (b) dobino vavoserjo el zaporedje $(A \cap Xn)_n$. Feveda velja $A = \mathcal{O}(A \cap Xn)$. Faget aprolima notvanjo zvegnost: $p(A) = \lim_{n \to \infty} p(A \cap Xn) \stackrel{(a)}{=} \lim_{n \to \infty} (A \cap Xn) \cdot k = k \cdot \lim_{n \to \infty} m(A \cap Xn) = k \cdot m(A),$ 3) Naj la m x & eva izmed produktnih ner na Brogisz (0,1), terej (m x {)(AxB)=m(A). { (4)} a) 15: (01) 1 R Berlow merljin ! Egglejno si poslible A E IR. · 0,1EA =>10,1) × (0,1) • $0 \in A$, $1 \notin A \Rightarrow 1_0^-(A) = L_0(1)^2 \setminus D$ odpitu $v = L_0(1)^2 \Rightarrow \text{nerfine } V$ • $0 \notin A$, $1 \notin A \Rightarrow 1_0^-(A) = D$ saprtu $v = L_0(1)^2 \Rightarrow \text{howglewest odpite} \Rightarrow \text{nerfine } V$ • $0 \in A$, $1 \notin A \Rightarrow 1_0^-(A) = D$ b) Paeurajna integrale, Gentino I:= [0,1]. Definimare selvije: △x={y € \ ; (x, y) € D}= {x}, \ D = {x € I; (x, y) € D} = {y}. 10x: Lo, 17y -> 1 ; 10x(y)=10(x,y) in 10: con = R; 1, 3(x)=10(x,g). · [[10(xy) dm(x) de(y) = [(10y(x) dm(x)) die(y) = [m((₹)) de(y) = 0 " $\int_{\Gamma} \int_{\mathcal{S}} \Lambda_{\mathcal{S}}(x,y) \, dx(y) \, dm(y) = \int_{\Gamma} \int_{\mathcal{S}} \int_{\mathcal{S}}$ Po horstrukuji nere mx { insno (mx {)(\D) = iv { { £ (mx { }) (\Langle b_n) x (\cn, d_n)) } } DCP } => (mx{)(D)= \$, \$\ \$\ \$\ \$\ \$} c) viznehu ni izpolajela pegaj 2-herewit; 2a meno stetja z. · \$\ \\\(\langle (x,y) (mx\x) (x,y) = (mx\x) (\(\D \)) = ∞. IXI def. integrala